



THE ART OF SINGING AND PLAYING ON THE MODERN FLUTE

Volume I : Fundamentals

BY JESUS AUGUSTO CASTRO TURRIAGO

**The Art of Singing and
Playing on the Modern Flute.**
Volume I: Fundamentals

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By

Dr. Jesus Augusto Castro-Turriago

Edited by

Jennifer Griffith



Formando líderes para la construcción de un nuevo país en paz

The art of singing and playing on the modern flute. Volume I: fundamentals /
Dr. Jesus Augusto Castro-Turriago -- Pamplona: Universidad de Pamplona.
2024.

232 p. ; 21 cm x 29,7 cm.

ISBN (digital): 978-628-7656-21-5

© **Universidad de Pamplona**
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ISBN (digital): 978-628-7656-21-5
First edition, April 2024
Arts Collection
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Acknowledgments

I would like to recognize Carlos Castro, Luz Marina Turriago, and all my family members for their constant support; Dr. Danilo Mezzadri, University of Southern Mississippi–Flute Professor, for presenting and revising this book; Jennifer Griffith for editing this book; all the students who participate during the development of this music research project; The Pamplona University Editorial Label, led by Mg. Eliana Caterine Mojica; The Pamplona University Research Department, led by Dr. Aldo Pardo Garcia; and, The Pamplona University, led by the current President, Dr. Ivaldo Torres Chavez, for supporting this research.

Abstract

The present treatise is a first result of a music research project led by the author in collaboration with The Music, Education, Culture, and Society Research Team. This document realizes a study of the flute extended technique known as Singing and Playing. In describing this technique, this document first presents a complete discussion about various aspects that relate to the Singing and Playing Extended Technique, for example, 1) diverse pedagogical benefits of its regular use; 2) descriptions about basic flute sound and talking/singing making procedures; 3) an exploration of some of the most common graphic notation used to write singing and playing; 4) a suggested basic instruction for developing this extended technique; 5) inclusion of basic etudes to center the learning of the domain of singing and playing; and, 6) inclusion of the conceptual philosophy behind the treatise. Second, this book presents a complete Singing and Playing method on the modern flute, which studies the basic fundamentals required to master this extended technique. Some of these fundamentals include the practice of major, minor, chromatic, diminish and augmented scales and intervals, and diverse etudes focused on the study of thirds, fourths, fifths and sixths.

Key Words

Music, Music Performance, Music Education, Musical Instruments, Performing Arts, Flute, Flute Pedagogy, Flute Performance, Flute Extended Techniques, Singing and Playing Pedagogy.

About the Author

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Jesus Augusto Castro-Turriago holds a Doctor of Musical Arts in Flute Performance degree from the University of Southern Mississippi, USA; a Master of Music degree from the same institution; and a Bachelor of Music degree from the Tolima Conservatory.

He is a Professional Flutist with international experience in the USA, Peru, and Ecuador. Castro is a winner of music competitions such as The University of Southern Mississippi 2010-2011 Band Soloists Competition (2011-2012), USM William T. Gower Orchestra Soloists Competition, and Second Place in the MTNA Young Artist Woodwind State Division Competition. Dr. Castro was awarded with the prize for Graduate Musician of the Year for both 2011-2012 and 2012-2013, and Most Valuable Wind Player 2012-2013 by the USM Symphony Orchestra.

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Castro's research experience includes work for the Colombian National Department of Science, Technology and Innovation (SNCTI), and Minciencias has classified him as Associate Researcher in the 894 National Call for Researchers.

Castro's administrative experience includes the position of General Director of the Fundación Musical Artística Camerata Ibagué, with experience in development of cultural and educational projects such as the Ibagué Music Festival 2015 and 2016. He has also directed developing cultural and educational exchanges between Colombian universities and international universities, such as The State University of New York, Tennessee State University and international entities including the Guaranda International Music Festival. Dr. Castro received a national grant from the Colombian National Department of Culture in its 2015 National Stimulus Program.

Dr. Castro is currently Full Professor at the University of Pamplona and Director of the *Presencias, Saberes y Expresiones University Journal*. His experience as a Flute Professor includes institutions such as Bolivar University Institution of Fine Arts and Sciences, ASAB College of Arts at The Francisco José de Caldas District University, College of Arts and Music at The Sergio Arboleda University, and The College of Arts and Humanities at The Pamplona University.

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Presentation

Dr. Danilo Mezzadri

The Art of Singing and Playing on The Modern Flute is a remarkable method that guides flutists through the process of integrating larynx and ears, encouraging a more resonant sound and more refined intonation. This book is the result of several years of experience, research, and exploration by Dr. Jesus Castro, a renowned flute virtuoso and pedagogue.

This book goes beyond traditional instruction. It incorporates aural perception of scales and chord progressions with relaxed movements of throat and larynx. Although it works with what used to be considered an “advanced technique,” Castro's book is appropriate to flutists of all levels. By fostering a meaningful connection in between larynx and ears, beginning flutists learn to have a richer tone and great level of dynamic control. They also develop a higher level of intonation.

As a musician and educator, I have personally experienced the profound impact of Jesus Castro's approach. His exercises have not only elevated my own playing but also improved the way I teach my students. Witnessing their growth reaffirmed the significance of incorporating Castro's approach in my daily practice and teaching.

Whether you are a beginner embarking on your new musical journey or an advanced flutist seeking to refine your technique, this method book will serve you well. It is my hope that the concepts and exercises presented here will not only expand your technical abilities, but also ignite a passion for musical expression that resonates in every note you play. I invite you to embrace the teachings present in this book and use them on your path to mastery.



CHAPTER I
INTRODUCTION

CHAPTER I

Introduction

This book, *The Art of Singing and Playing on The Modern Flute*, is the first part of a research project of the same name, led and developed by the author in collaboration with The Music, Education, Culture, and Society Research Group during the years 2022 and 2023. This project included the participation of flute students enrolled in the Universidad de Pamplona, Universidad Distrital Francisco José de Caldas, and Universidad Sergio Arboleda, among others. This book presents a concise and analytical discussion of diverse facts that comprise the flute extended technique known as Singing and Playing. These elements explore topics such as 1) the pedagogical benefits of frequent use of the Singing and Playing technique; 2) a brief description to illustrate the procedure of sound production on the flute (in order to understand the principles of the Singing and Playing technique); 3) an exploration of the graphic notation of Singing and Playing; and 4) a suggested instruction for developing the use of Singing and Playing. Following this discussion, the book illustrates the philosophy and the main conceptual pillars of the treatise developed during the research project. Finally, the last section of the book contains a method that guides students in developing the skill of singing and playing on the modern flute.

This method focuses on the study of music fundamentals, such as major and minor scales and arpeggios, harmonic progressions, and the study of intervals (thirds, fourths, fifths, and sixths). The complete method might be approached as a type of solfeggio method, while playing the flute, in order to build singing skills, rather than treated as a method of building technical fundamentals on the flute (scales or intervals, for example). In fact, during the first part of each chapter, the flute should be used as a pitched-instrument reference to help in learning scales and intervals in the Singing and Playing technique.

Research in flute-pedagogy is constantly developing new ways to approach the development of flute technique. Since the mid-20th century, the use of *extended techniques*¹ has contributed to this topic during the last decades. For example, Christopher Davis, in her doctoral dissertation, argues that, “Sing[ing] and playing and using multiphonics

¹ An extended technique “could be defined as a way of playing a musical instrument that goes beyond, or that is not part of the standard instrumental technique. For instance, in the case of flute playing, an extended technique can be an alternative way of producing a sound vibration on the instrument, the use of uncommon articulations and/or alternative fingering, a technique that breaks the tone homogeneity of the instrument, or a way of playing that results in pitches that are not part of the equal temperament” (Delisle, 2016, para. 5). Some of the most commonly used flute techniques are percussive sounds (pizzicato sounds and key clicks), harmonic trills, multiphonics, specific non-traditional tongue articulations, sing and playing, glissandi and pitch bending, microtones, circular breathing, and the use of electronics, among others.

can help enhance the throat muscles while playing and cause relaxation when playing straight long tones. This leads to having great embouchure flexibility. In addition, it can increase control of the embouchure, air speed, and diaphragm” (Davis, 2012, as cited in Martone, 2019, p. 10). Moreover, flutist and pedagogue Robert Dick maintains that,

natural harmonics improve the strength of the lips and breath support, accurate placement of the air stream for full and resonant tone, clarification of tone, and development of an alternate fingering and timbral system and bending helps to relax the embouchure, increase flexibility, control of tempering youth of tune notes, and use of very wide range of blowing angles. (Dick, 1986, p. 9)

Also, Peter Lucas Graff, in his methodbook *Check Up: 20 Basic Studies for Flutists*, presents different etudes based on the use of extended techniques to develop the flute sound technique. Graff’s treatise contains some etudes using extended techniques such as glissando sounds, whistle sounds, singing and playing, and harmonics. These extended techniques are used to achieve different goals, such as, through the practice of glissandi, to “discover and practice the optimum basic position of the lips, lower jaw and mouth piece, to the mobility of the jaw, flexibility of the lips and to develop a relaxed positioning of the flute” (Graff, 2002, p. 14); or through the frequent practice of whistle sounds, to develop “a relaxed but precise embouchure” (p. 16); through the practice of singing and playing to develop “a relaxed optimum position of the larynx” (p. 18); and through the regular practice of harmonics to develop and practice embouchure positions appropriate for each register” (p. 30).

As can be seen, the use of extended techniques to approach sound development on the flute as a pedagogical tool has nourished research in the field. In addition, extended techniques have contributed to much exploration of the processes of sound production of the flute. Regarding sound production on the flute, it is a process that involves both the use of the flutist’s body, as a resonator, and the instrument itself to make the sound. Robert Dick, in *Tone Development Through Extended Techniques*, observes that:

The tone of the flute is not just the tone made in the instrument, it is a complex combination of the flutist and the flute. The sound we hear is that of the air vibrating within the flute, but resonated within the body of the flautist! The tone begins when air is blown across the edge of the embouchure hole, setting up an oscillation of the airstream in and out of the flute, causing the air inside the instrument to vibrate. But the vibrations pass not only forward from the embouchure into the flute, but back through the mouth, neck and chest of the flutist as well. Thus, the four primary resonators affecting the tone are the chest, neck (especially the vocal chords), mouth and the flute itself. The sinus cavities are resonators as well, but are considered subsidiary to the main four because their shape, and thus their influence on the sound, cannot be voluntarily controlled. (Dick, 1986, p. 9)

Julie Delisle, in *Mapping the Sound World of the Flute: Towards a New Classification of Standard and Extended Techniques*, notes that,

As for the voice, most ways of producing a sound on the flute require an airstream, which comes from the lungs, and is controlled through a common action of thorax, abdomen and diaphragm muscles. This airstream passes through the larynx and the mouth, and the degree of tension and the position of vocal articulators (vocal folds, tongue, soft palate, lower jaw) have a direct influence on the sound quality. Then the airflow is controlled by the lips, which can be considered separately in the context of flute playing, as they are responsible of embouchure control (speed, angle and width of the airflow). (Delisle, 2016, para. 21)

Regarding the talking/singing basic process, first air is inhaled and fills the lungs; then, the diaphragm empties the lungs by propelling an air column outward. As this happens, the air column vibrates against the vocal folds and creates a sonorous air column. Afterwards, the sonorous air column reaches the larynx, pharynx, and is exhaled through the mouth. Finally, the sonorous air column passes through the lips, which act as articulators. Thus, the talking/singing process is closely related to sound production on the flute.

Singing and Playing is a flute extended technique that requires the conscious use of the flute player's body as an apparatus directly involved with the sound production. It needs the activation and participation from the flute player's vocal folds during the sound production. Robert Dick, in *The Other Flute: A Performed Manual of Contemporary Techniques*, observes that,

Almost all flutists can, to some degree, hum while playing single pitches, creating multiple sonorities that are often heard with very pronounced modulation. The intervals formed and the timbre of these multiple sonorities depend, of course, on the pitch and timbre both of the note played and of the flutists' voices. (Dick, 1989, p. 143)

This extended technique can be classified as one based on the *modification gesture*² of the flute player. As mentioned before, this extended technique is executed by producing a sound throughout the airstream,

[...], which comes from the lungs, and is controlled through a common action of thorax, abdomen and diaphragm muscles. This Airstream passes through the larynx and the mouth [...]. Then, the airflow is controlled by the lips [...], which are responsible of the embouchure control (speed, angle and

² According to Claude Cadoz and Marcelo Wanderley, in *Gesture – Music*, there is no simple definition of the term “musical gesture.” In fact, it depends on the point of view of the user. A musical gesture can be “consider[ed] as equivalent to physical (playing) techniques or performers actions” (Cadoz and Wanderley, 2000, p. 73). On the other hand, musical gestures “should be seen as the features based on which musical intentions will eventually be recovered through some decision making” (Métois, 1996, as cited in Cadoz and Wanderley, 2000, p. 89). They also can be seen as “the equivalent of performer actions” (Drake, 1998, as cited in Cadoz and Wanderley, 2000, p. 89). In addition, “The notion of a musical gesture that at the time it occurs involves no actual human movement, but merely fevers to it is quite common. Obviously, musical expression is intimately connected with human movement, hence the existence of such an idiom [...]” (Mulder, 1998, as cited in Cadoz and Wanderley, 2000, p. 90). “There are three types of instrumental gestures: i.) excitation gestures; ii.) modification gestures; and iii.) selection gestures” (Cadoz and Wanderley, 2000, p. 71). Modification gestures [...] consist of sound modulations and periodical or aperiodic alterations of a continuous sound. This can be an alteration of pitch, intensity and or duration, and techniques belonging to this category distinguish themselves from those of the previous category [...] by happening during the sound phenomena and by having a constant or repetitive character” (Delisle, 2016, para. 17). Some examples of extended techniques that would be classified under this category are *vibrato*, in all its possible variations, singing and playing, flutter tonging, and glissandi or pitch bends.

width of the airflow). (Delisle, 2016, para. 21)

In following these instructions, the player sings a pitch by activating the vocal folds using the same airstream. In other words, this technique is produced by one airstream, used to produce the vocal sound (by activating the player’s vocal folds), while directing the same airstream across the embouchure hole of the instrument to produce the flute sound. The result of this technique is the production of two different sounds (vocal and flute) with one air column, allowing the player to sing and play homophony or polyphony parts. The following table makes a direct comparison of the talking/singing-flute playing and the singing-and-playing process:

Talking/ Singing Process	Sound Production in Flute Playing	Singing and Playing
<ol style="list-style-type: none"> 1 Air is inhaled and fills the lungs. 2 The diaphragm empties the lungs by propelling the air column. 3 The air column vibrates against the vocal folds and creates a sonorous air column. 4 The sonorous air column reaches the larynx and pharynx. 5 The air is exhaled through the mouth and passes through the lips, which act as articulators. 	<ol style="list-style-type: none"> 1 Air is inhaled and fills the lungs. 2 The diaphragm empties the lungs by propelling the air column. 3 The air column vibrates against the vocal folds and creates a sonorous air column. 4 Once the air column hits the bevel of the embouchure, vibration occurs, creating a sonorous air column. 5 The sonorous air column travels through the flute. 	<ol style="list-style-type: none"> 1 Air is inhaled and fills the lungs. 2 The diaphragm empties the lungs by propelling the air column. 3 The air column vibrates against the vocal folds and creates a sonorous air column. 4 The sonorous air column reaches the larynx and pharynx. 5 The air is exhaled through the mouth and passes through the lips (no longer functioning as articulators), which direct it toward the flute embouchure. 6 Once the air column hits the bevel of the embouchure, vibration occurs, creating a sonorous air column. 7 The sonorous air column travels through the flute.

TABLE A1: *Talking/singing – Flute Playing – Singing and Playing Sound Production Basic Description of Execution* – **Source:** Author’s Elaboration.

Singing and Playing Technique in Flute Literature

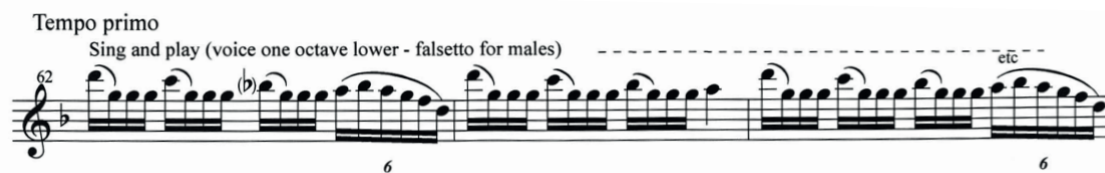
In mastering this extended technique, we see the pedagogical benefits developed by the flute player with frequent use of this technique, and the different styles of execution of The Singing and Playing. The following presents a short description of how the notation of this extended technique has been used by some composers.

There are different ways to notate the Singing and Playing extended technique for flute; in fact, the graphic notation of singing and playing is presented according to the individual composer's notation. One manner is to write a simple line indicating that the line should be sung above the notation. Some works may include specific registers for singing the line.

Figure 1

Ian Clarke, The Great Train Race, mm. 62-64

The composer indicates to sing and play, and gives specific instructions about vocal register.



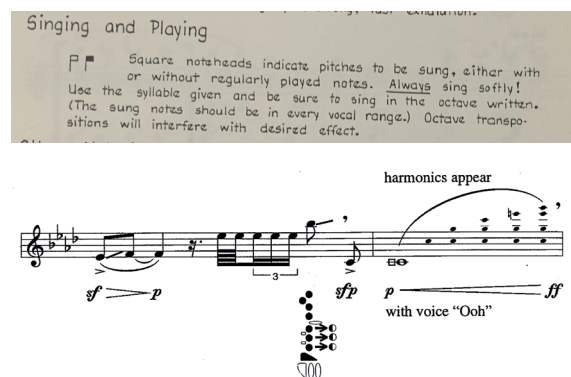
Source: Ian Clarke –The Great Train Race [Score].

Other literature presents performer indication lists or legends for the work, describing what symbols mean and how to perform them.

Figure 2

Robert Dick, Fish are Jumping, mm. 43-44

To guide performance of work composer gives specific instructions, in Performers Indication List, to clarify symbols used in graphic notation.



Source: Robert Dick –Fish are Jumping for Flute Alone [Score].

Another way to notate this extended technique is simply by writing and doubling the same notes of the melody and specify to sing and play in a specific section of music. This kind of notation suggests that both voices are playing in unison, octaves, or fifteenths, according to the players' vocal range.

Figure 3

Ian Clarke, Zoom Tube, mm. 13-16

Composer gives instructions to sing and play without specifying vocal register.



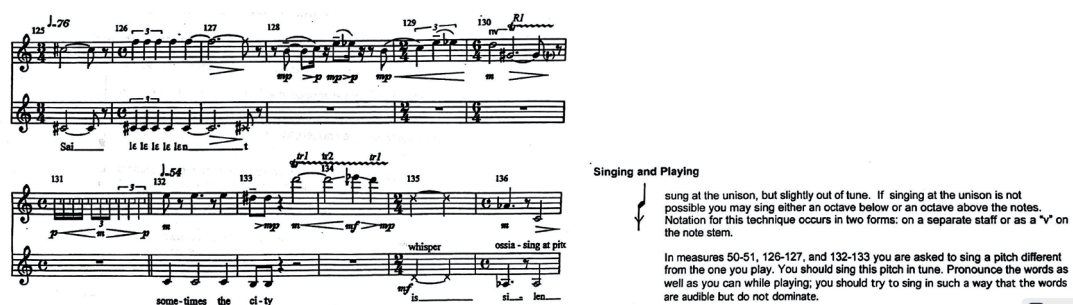
Source: Ian Clarke – Zoom Tube for Solo Flute [Score].

Finally, the Singing and Playing technique can be found in notation that uses two different staves, one for the flute part and the other for the voice part. This is most commonly used in homophonic and polyphonic passages.

Figure 4

Janice Misurell-Mitchell, Sometimes the City is Silent, mm. 125-136

Composer writes voice and flute parts in separate staves for polyphonic or homophonic passages.



Source: Janice Misurell-Mitchell – Sometimes the City is Silent [Score].

Suggestions of Instructions for Singing and Playing Technique

The above section explored some conceptual elements that comprise some conceptual elements in composing and giving instruction for executing the Singing and Playing technique for flute. This section presents suggested instructions for the development of this technique, thus to guide the flutist in learning and master it.

Although there are several ways to approach the development of singing and playing, the following instructions have comprised the most effective manner; in fact they were applied by a group of flute students³ who practice the principles presented in this book during their participation in this research project, *The Art of Singing and Playing on the Modern Flute*. The given instruction to the students comprised the following steps:

Instructions for Singing and Playing Technique	
Step	Action
1	Without using the flute, sing any sound in a comfortable vocal range (not too low or too high).
2	Without using the flute, set the lips and embouchure, as if playing the instrument; and then, sing the same pitch without modifying the flute embouchure.
3	Without using the flute, while doing the previous step, focus on creating lip resistance of the airstream in order to create a sound resembling a repeated ‘Fuh’ phonetic: or an <i>airy</i> sound, with the air column crossing through the positioned lips. Try to equally balance the volume of the sung sound with the <i>airy</i> sound.
4	Once you feel conformable with the balance in volume of both sounds in doing the previous step, and without stopping to blow, position the flute head joint on the lips. Then, roll the head joint in and out in order to focus the air column through the hole.
5	Once you have focused the airstream directly across the embouchure whole, play special attention to equally balance the voice sound and the flute sound. Try to continuously sustain both sounds, balanced equally, without any interruption.
6	Once you feel comfortable with the volume balance using just the flute head joint, assemble the rest of the body of the instrument and repeat this process.
7	Finally, tune both pitches in unison, an octave or up to a fifteenth (according to your vocal range)

TABLE A2: *Singing and Playing Procedure Instructions* – **Source:** Author’s Elaboration.

³ This particular group of flute students was enrolled in the music programs of the following Colombian universities: Universidad de Pamplona, Universidad Distrital Francisco José de Caldas, and Universidad Sergio Arboleda. A previous version of these suggested instructions for developing singing and playing was also applied to another group of students enrolled at The Institución Universitaria Bellas Artes y Ciencias de Bolívar. These Colombian universities are located in Cartagena, Bogotá, and Pamplona, respectively.



CHAPTER II

**THE PHILOSOPHY OF THE ART
OF SINGING AND PLAYING**

CHAPTER II

The Philosophy of the art of Singing and Playing

Conceptual Philosophy

Various authors and authorities in the field of the teaching and practice of flute, such as those mentioned in the Chapter I, have demonstrated that the frequent use of extended techniques improves the flute sound overall. Indeed, one of the extended techniques for flute that most contributes to sound improvement is Singing and Playing. Because the performance nature of Singing and Playing, its continuous use contributes to the development of a robust sound on the flute. Pedagogical advantages include the development of air-column support, accurate placement of the air stream through direct improvement of adequate lip positioning, development of lip resistance, *resonance*⁴ through the natural opening of the flutist's sonority apparatus, clarification of tone, control of air speed and sound colors, finger-airstream independence and, pitch control— by improving the inner flutist perspective of sounds through a *kinesthetic relationship*⁵ in between the brain, the ear, and the physical sensation of sung and played sonorities.

Before diving into a discussion of this treatise's philosophy, we might consider some fundamentals and exercises that center the process of developing the Singing and Playing technique. Before singing and playing any note on the flute, the flute player should identify some aspects related to their singing and an adequate vocal range. These aspects can be identified by following the next steps:

Finding Your Adequate Vocal Range	
Step	Action
1	You should identify the lowest note in your vocal range. In order to do so, sing a note in a comfortably medium-low register and identify it with the help of a pitched instrument (a piano for example). Identify the exact name and frequency of the note you are singing (i.e., C4, G4, etc.)

⁴ In this context 'resonance,' for example, relates to a resonator tube found beneath each bar of a vibraphone. Each of these tubes, of varying lengths, has the correct length to amplify its note. The human throat can function in a similar, but far more sophisticated manner, where the vocal chords are held in the same position as if one were preparing to sing the note about to be played on the flute. To understand this sensation, play a note on the piano, or other fixed pitch instrument, that is comfortably within your vocal range. Then take a moment to prepare to sing it. Before the note is sung, there is a change in the throat muscles and tissues, when the vocal chords are brought to the correct position to sing the pitch. When the vocal chords are held in position to sing a given pitch, *the throat is in position to resonate that pitch best* (Dick, 1986, p. 9).

⁵ Robert Dick observes that the ear-voice connection develops through use, and it is vital to all aspects of flute playing" (Dick, 1986, p. 9).

Finding Your Adequate Vocal Range	
Step	Action
2	Once you know which note you are singing, sing a descending chromatic scale from that note until you reach the lowest note you can sing at a reasonable volume. Feel how your larynx opens up when singing in this low vocal register!
3	After you have found the lowest comfortable note in your vocal range, find your highest note singing in a <i>sotto voce</i> manner. In other words, the note in your medium-high to high register where you can easily sing without closing up your larynx. (For non-singers the vocal range usually falls within a distance of a tenth to a fifteenth interval upward from the lowest note).

TABLE A3: *Finding Your Adequate Vocal Range*⁶ – **Source:** Author’s Elaboration.

After finding your proper vocal range for singing, the flutist should learn the next group of exercises, which center the process of learning the technique. The following group of singing and playing exercises contains the basics and fundamentals of the complete treatise: i.) Pedal Tone on Flute with Moving Line in Voice; ii.) Pedal Tone in Voice with Moving the line on Flute; iii.) Mirroring the scale/arpeggio; iv.) Normal Playing; and, v.) Sing and Playing Arpeggiated Major Chords on Tonic/Dominant/Mediant (playing over pedals and and playing lines in parallels). The main purpose of these exercises focuses on opening the larynx, activating the body as an apparatus of resonance, developing lip resistance, learning focused direction of the airstream through the embouchure hole, clarifying the sound, and developing independence between the brain and the fingered air column. In order to maximize results of the exercises, the player should sing as low as possible, according to their vocal range, and play the scales and arpeggios as high as possible, according to the flute register. Thus there’s no need to avoid switching octaves for some notes, in either the voice or the flute, according to the level of comfort executing various notes throughout your vocal or flute range.

Exercise 1.1 Pedal Note in Flute with Moving Line in Voice

Figure 5

Singing and Playing Scales – Pedal note in flute with moving line in voice

The musical score for Exercise 1.1 consists of two staves: Flute and Voice. Both are in G major (one sharp). The Flute staff starts with a treble clef and a dynamic marking of *mf*. It features a note with a fermata above it, indicating a sustained pedal point. The Voice staff starts with a treble clef and a dynamic marking of *f*. It features a descending chromatic scale. A bracket connects the two staves with the instruction "Sing as lower as you possibly can!". The tempo is marked as quarter note = 60.

Source: Author’s Elaboration

⁶ Once we have found the *proper vocal range* to work (i.e., the range comprised between the lowest notes and medium-high/high notes found by doing the previous steps), the flutist can start the next group of basic exercises. The viewpoint of this exercise also consists of always singing as low as one can, while playing as high as one can in the flute register. In fact, the exercise works better if the performer decides to change octaves for some notes (according the vocal and flute ranges).

The main goal of this exercise is to sustain the flute sound without gaps or shakes while the voice moves between pitches (therefore, focusing on the pitch of the vocal sounds). With this exercise, the larynx of the performer opens up, the body works as an apparatus of resonance, and the lips develop resistance, contributing to the optimum positioning of the air stream through the entire embouchure. This exercise also improves air column speed and control, with its independence from finger movement.

Exercise 1.2 Pedal Note in Voice With Moving Line in Flute

Figure 6

Sing and Playing Scales – Pedal note in voice with moving line in Flute

The musical score for Exercise 1.2 consists of two staves. The upper staff is a flute line in G major, starting on G4 and moving up to G5. The lower staff is a vocal line with a single note on G2, labeled '8va'. The tempo is marked as quarter note = 60. The instruction 'Sing as lower as you can, and breath whenever you need' is written in the vocal staff.

Source: Author's Elaboration

The main goal of this exercise is to maintain the vocal sound in tune (without getting flat or sharp) while the flute line moves freely (focus on the sensation of the stable pedal tone in the voice and the freedom of finger movement on the flute). With this exercise, the larynx of the performer opens up, the body works as an apparatus of resonance, and the lips develop resistance contributing to the optimum positioning of the air stream through the embouchure whole. This exercise also contributes to control of the air column speed and its independence from the finger movement.

Exercise 1.3 Mirroring Scales

Figure 7

Sing and Playing Scales – Mirroring scales (or contrasting motion)

The musical score for Exercise 1.3 consists of two staves. The upper staff is a flute line in G major, starting on G4 and moving up to G5. The lower staff is a vocal line starting on G4 and moving up to G5. The tempo is marked as quarter note = 60. The instruction 'Start an octave higher than the previous exercises' is written in the vocal staff.

Source: Author's Elaboration

The main goal of this exercise is to challenge your brain by executing two opposing actions simultaneously. Singing an ascending line (in the opposite direction) while playing a descending line helps to establish stronger independence between the air stream and solid finger movement. Focus on the pitch of the sung sounds and the note-per-note counterpoint. This exercise also contributes to the development of all the other pedagogical skills described above. It is important to remember that the exercise must adjust according to the flutist's vocal range. There is no need to sing the exercise in the written register (specially that high G note).

Exercise 1.4 Normal Playing

Figure 8
Normal Playing

Keep going chromatically as higher as you can

Source: Author's Elaboration

The main goal of this exercise is to keep the physical sensation of the air flow independent from the finger movement, and to become aware of the sensation of the whole body as a resonant apparatus that contributes to sound production and quality. Play this scale through the whole range of the flute.

Exercise 1.5 Singing and Playing Arpeggiated Major Chords in Tonic/Dominant/Mediant Positions (With Pedal Notes or Parallels)

Figure 9
Singing and Playing arpeggiated major chords on the tonic (with pedal notes or parallels)

Always play as high as you can (register)

Sing as low as you can on the voice

Source: Author's Elaboration

The main goal of this exercise is to sustain the flute sound without gaps or shakes while the voice also moves (focus on the pitch of the vocal sounds). Then, one must sustain the vocal sound in tune while the flute line moves freely (again, focus on the sensation of the stable pedal note in the voice and freedom of finger movement on flute). Finally, both lines move together in order to focus on the pitch and kinesthetic sensation of brain, ear (pitch), and the body (air movement and resonance). Once this has been practiced, transpose to the dominant arpeggiated chord (fifth degree of the scale). Be sure to perform only major chords.

Exercise 1.6 Singing and Playing Major Arpeggios – Chords on Dominant (with Pedal Notes and Parallels)

Figure 10

Singing and Playing arpeggios and major chords on the dominant (with pedals and parallels)

Source: Author's Elaboration

Exercise 1.6 has the same purpose as the previous exercise. Once you finish, you can then transpose it to the mediant (third degree of the scale). Be sure to play or sing only major chords.

Exercise 1.7 Singing and Playing Arpeggiated Major chords on Mediant (with Pedal Notes and Parallels)

Figure 11

Singing and Playing major arpeggios on the mediant (with pedal tones and parallel lines)

Source: Author's Elaboration

Exercise 1.7 has the same purpose as the previous exercises.

Conceptual Pillars of the art of Singing and Playing

Once the player feels comfortable and has a clear understanding and execution of the basics and fundamentals, she or he can begin practicing this book’s method studies. However, to better understand and execute the method studies, we must consider nine principles that work as the conceptual pillars of the method. These nine pillars work independently within every chapter, but together unify the method. Thus, each pillar works both separately and together with the others within the specific goal of each chapter, and constitute a holistic philosophy of the method. The nine pillars are based on the following principles:

The Art of Singing and Playing Pillar Exercise	
No.	Pillar
1	Warming Up
2	Singing in Unison or Octaves
3	Contrary Motion
4	Melodic Singing and Playing
5	Permutation of Lines
6	Exploration of Registers (in voice and flute)
7	Independence between voices
8	Performing Parallelism
9	Gradualism

TABLE A4: *The Art of Singing and Playing Nine Pillars* – **Source:** Author’s Elaboration.

Pillar 1. Warming Up

Each chapter of the method begins with a warm-up etude for learning a specific interval. Pillar 1 is thus used in each chapter to allow the body to become aware of the philosophical idea behind the practice of the main etudes. Pillar 1 is also used to explore the sonority of each interval studied within the chapter. Through warming up, the flute player prepares for practicing the etudes of the chapter and discovers the color of the sonority given by the interaction of homophony and polyphony in the flute and vocal lines.

Pillar 2. Singing in Unison and Octaves

Pillar 2 constitutes the primary main etudes required to begin mastering the skill. Through this second pillar, the flutist learns to sing the respective intervals worked on each in chapter in an accurate manner, using the flute as a pitched-reference instrument to guide the process of memorizing the sound and learning to vocalize it.

Pillar 3. Contrary Motion

The third pillar works on several different levels to contribute to building the skill of singing and playing and obtaining different benefits on the flute sound technique. First of all, through the practice of the etudes built on the principle of contrary motion, the flute player develops a stronger and more supported air column. Also, through this principle, the flute player develops independence between the air column and finger movement. In other words, the player will develop a steady air column while also allowing freedom of finger movement. Another goal developed by contrasting motion is maximizing improvement of the player's aural skills. Finally, the exercises of Pillar 3 help the player to build kinesthetic relationships between the brain, the ear, and the physical sensation of sung and played notes.

Pillar 4. Melodic Singing and Playing

Pillar 4 reinforces the horizontal and vertical intervallic relationships while singing and playing simultaneously. The mastery of these short and easy, cantabile counterpoint etudes will ensure that players emphasize on the learning of each particular intervallic relationship.

Pillar 5. Permutation of Lines

The permutation of lines consists of interchanging the musical content established in any particular line (flute or vocal). This principle seeks to improve the learning intervals studied by leaving out memorizing a particular tune or line. Permutation of Lines also avoids the stratification of lines and maintains the importance of the musical content given in any particular line (flute or vocal).

Pillar 6. Exploration of Registers (in voice and flute)

For this principle, a series of etudes are mastered through easy-to-sing exercises, using different types of vocal production, such as chest voice, middle register, or head voice (falsetto). Practicing the exercises of Pillar 6 helps to explore different colors created by vertical relationships between lines.

Pillar 7. Independence

Pillar 7 focuses on reinforcing the learned skill of singing a particular interval, while also ensuring the improvement of independence between flute and voice and freedom of movement in each particular line.

Pillar 8. Performing Parallelism

Pillar 8 concerns the study of vertical relationships, color, musical mood, and sonorities of different intervals treated in this method. Through the study of this principle, which focuses on performing every interval note-per-note on the flute and the voice, the player will learn to master the skill of singing and playing every interval practiced.

Pillar 9. Gradualism

This method uses the principle of gradualism to control the learning process and promote the continuous improvement of the Singing and Playing technique. The method begins by explaining basic instructions for the technique, then gradually presents increasingly challenging exercises.



CHAPTER III
THE METHOD

CHAPTER II

The Method

This chapter comprises putting into practice the musical treatise on the flute extended technique known as Singing and Playing. The player begins by practicing the fundamentals, such as major, minor, chromatic, augmented, diminished, and chromatic scales and arpeggios, ending with a singing and playing etude on a harmonic progression. Afterwards, the treatise focuses on the interval practice of thirds, fourths, fifths and sixths.

The method should always be approached beginning with Pillar 1: warming up with the given etudes, important for preparing the vocal folds to sing and preventing non-singers from inadvertently causing lesions to form on the throat.

After warming-up, the method teaches the extended technique of Singing and Playing intervals simultaneously (Pillar 2), in unisons or octaves (depending on the player's vocal register), using the flute as a pitch-reference instrument. Each etude presents a melodic line in ascending and descending motion, which ensures the accuracy of sonority and pitch of each kind of interval.

Next, for Pillar 3, the method presents a series of etudes based on the principle of Contrary Motion. These exercises also expose the player to intervals in contrary motion, both ascending and descending. This group of etudes develops step-by-step independence between the flute and vocal lines, builds a more supported, and steadier air column, improves aural skills of the player, and helps to open the player's body resonators. Through the practice of these types of exercises, the player will develop the ability to sing musical content independently of playing the flute.

For Pillar 4, the method introduces Melodic Singing and Playing, a specific series of etudes. These are short and easy, polyphonic etudes composed for mastering the execution of each kind of interval. They also include independent content for each line (whether vocal or flute).

Following the Pillar 4 etudes, the treatise presents another type of etude for Pillar 6: the Exploration of Registers in voice and flute. These kinds of etudes present short melodies independent for each line, which should be transposed and performed in different octaves. These kinds of etudes focus on the exploration and understanding of various sonorities formed by the combination of both lines in different vocal and flute registers. This group of etudes also helps to explore different registers of the voice, such as chest-voice, *sotto voce* voice, and head voice (falsetto), exploring colors formed by the relationship between vocal and flute lines presented in different registers, and work to develop independence between the lines (in flute and voice).

Following these etudes, the treatise introduces a series of etudes for Pillar 7, in Working for Independence. The main goal of these etudes is to reinforce the skill of singing and playing lines of different musical content, focused on dissimilar rhythmic changes, more independently.

Next, for Pillar 8, the method presents a group of etudes based on performing parallelism within the musical content. These kinds of etudes focus on practicing each particular color and sonority for each respective interval (3rds, 4ths, 5ths, or 6ths).

For Pillar 9, Permutation of Lines, the etudes seek to improve singing and playing different musical content simultaneously. This is accomplished through the kind of practice where the player reduces the memorization of lines or tunes, and avoids the voice stratification. Pillar 9 seek to avoid giving importance of one line over another, instead also giving equal value to all. Also, this principle creates variety through the practice of the different etudes.

For Pillar 10, Gradualism, the etudes guide and control the learning process of singing and playing different scales, arpeggios, and intervals, and to increasingly improve these skills in a step-by-step manner.

General Approaches

In order to improve the results of practicing etudes of each chapter, the following suggestions are recommended:

- 1 Always keep the vocal folds hydrated. Practice the scales/arpeggios in groups of three and hydrate the vocal folds. For example, perform a particular etude on G, Ab, and A; then, hydrate the vocal fold before executing the etude on Bb, B and C.
- 2 Start each practice session playing the warm-up thirds etude.
- 3 Teach and learn the chapter as gradually as you would with an amateur student. It requires ongoing practice to develop control.
- 4 The teacher should reinforce and support the learning of the vocal line of each etude by singing or playing it while the student focuses on understanding and developing control of the performing process.
- 5 Some students might require the execution of the ascending/descending scale/arpeggio on octaves without pedal before performing the etudes on the mirroring manner.
- 6 When performing an etude on a mirroring manner, focus on listening to the vertical interval formed between the flute and the voice lines.
- 7 Try to avoid unnecessary accents by keeping the air stream as controlled and stabilized as possible.
- 8 Try to focus on the pitch and vertical (harmonic) relationship between the flute and voice lines.

- 9 Try to avoid the production of uncontrolled harmonics.
- 10 If you do not have a flute with a B foot, do not perform the etudes that include an Eb 7.
- 11 Try to develop, step-by-step, the mental process of reading both voices by developing a consciousness of control of reading and executing both lines, the pitch and balance of voices without the process becoming mechanical.

Singing and Playing Major/Minor Diminish/Augmented Scales and Arpeggios and Progressions

The method starts with the singing and playing of major or minor scales, diminished or augmented scales, arpeggios, and progressions. The player might sing and play the scale or arpeggio as low as possible according to their vocal range, and the scale or arpeggio as high as possible according to the domain on the flute register. It is fine if the player decides to change the octaves of some notes or passages on the voice or flute part. Each scale or arpeggio follows the pattern of moving the scale on the voice over a flute pedal; moving the scale on the flute over a voice pedal; and moving the scale in the opposite motion of lines. It is important to always keep the vocal folds hydrated and play with a supported air column. Also, the slurs on each etude are indications to state the horizontal phrases instead of being considered as breathing marks or suggestions. In other words, the player might breathe whenever it is required, focusing on playing with a strong air column. Through the frequent execution of these etudes, the player will work on the opening of the larynx, the activation of the body as an apparatus of resonance, the development of lip resistance, the airstream proper direction of air through the embouchure whole, the clarification of sound, and the development of independence between the brain-finger-air column relationship.

Singing and Playing Singing and Playing Intervals (thirds, fourths, fifths, and sixths)

Etudes 3 to 6 of the method included in Chapter III focus on singing and playing intervals of major and minor thirds, perfect fourths and fifths, and major and minor sixths. The etudes that center on singing and playing intervals are organized to be studied over a sequence that includes the execution of the studied interval (3rds, 4ths, 5ths, or 6ths) on ascending, descending, and contrary motions. The ascending and descending execution of the studied interval is performed in octaves or unison (depending on the vocal range) between the sung and played lines. The contrary motion etudes execute 1) the ascending studied interval on the flute over the descending studied interval on the voice, and then 2) the descending studied interval on the flute over the ascending studied interval on the voice. Each type of study-interval study includes execution on different key signatures. Also, it includes an element described as a permutation of lines that interchange musical content between the flute and voice lines. In addition, each section of the studied interval includes etudes that study melodic singing and playing through short chants; explore different vocal and instrumental registers; work on developing independence between the flute and the voice; and perform the studied interval in parallel motion, creating thirds, fourths, fifths, and sixths between the flute and the voice.

About the Research

Theoretical Framework and the State of Art

The Art of Singing and Playing on the Modern Flute was developed as a research-creation project. The theoretical framework and the state of the art that guided this research first focused on the understanding of the legal regulations on research and creation established by the Department of Science, Technology, and Innovation of Colombia (Minciencias). These regulations were promoted by the 894 National Call for Recognition and Measurement of Research, Technological Development, or Innovation Groups and for the Recognition of Researchers of the National System of Science, Technology, and Innovation 2021. The Minciencias research call 894 established the classification, measurement, and characterization of research products in Colombia.

According to Call 894, the typology of research products is divided into four categories: 1) products resulting from activities to generate new knowledge; 2) products resulting from technological development and innovation activities; 3) products resulting from activities of social appropriation of knowledge and public dissemination of science; and 4) products of activities related to the training of human resources. In architecture, art, and design (AAD), the national regulations in Call 894 recognize and validate the products resulting from creation or creative research as products of the generation of new knowledge. Works or products results of Creation and Research-Creation in AAD are understood to be those works, designs, or products resulting from the creation and research-creation processes that imply new, original, and unpublished contributions to the AAD, to culture, and knowledge in general through symbolic languages that express, interpret, and substantially enrich the intellectual, emotional, cultural, and social life of human communities (Minciencias, 2021, p. 196, translated by Jesus Castro). According to Call 894 of 2021, it defines the research and creation in the following manners: 1) Inquiry that seeks to answer a research question or problem through a creative experience that gives rise to works, objects, or products with aesthetic value and whose temporary nature can be ephemera, processual, or permanent. (ibid., p. 197); 2) [...] Also called artistic research or research based on practice, it is research that takes as its object the aesthetic experience of the researcher himself, the creator. (Borgdoff, 2006; Asprilla, 2013; Hernandez Salgar, 2014, cited in Minciencias, 2021, p. 197, translated by Jesus Castro); 3) Research-creation generally leads to two types of products: the work, object, or product of creation itself, and a text in which the reflection on the creative experience and its relationship with the research question or problem is recorded. (Archer 1995; Lopez-Cano, 2013, cited by Minciencias 2021, p. 197, translated by Jesus Castro).

Creation in AAD [...] refers to the process as well as the result of the creative activity consisting of exploring different experiences and sensibilities through play with shapes and materials that may or may not have functionality beyond their aesthetic value. The results of creation, although they are reflected in aesthetic artifacts, also include the dynamics between the work, the people who use or contemplate it, and the culture in which this relationship is immersed. [...] The contribution of creation as a generation of knowledge does not lie in the artifact but in the experience that it generates and fosters.

(Minciencias, 2021, p. 199, translated by Jesus Castro). Call 894 classifies AAD research products into three categories: ephemeral products, permanent products, and processual products. Ephemeral products “are works or products, material and immaterial, whose existence is of a limited duration in time and whose evidence depends on reconstructive memory. The record must be repeatable, exportable, and verifiable” (Minciencias, 2021, pp. 196–197, translated by Jesus Castro). Permanent products “are works, designs, or material and immaterial products whose existence is intended to be unlimited in time.

The presence and persistence of the object that registers the work or product demonstrates its existence” (ibid.). Processual products “are those works, designs, or material or immaterial products, in whose nature the transformative, systematic, and dynamic predominate relational; in fact, they have an open character and are not subject to a predetermined space-time framework.” (ibid).

Also, the theoretical framework and the state of the art that led to this research focused on other flute methods that guided the pedagogical construction of the book. Taffanel & Gaubert. The complete flute method is the most important, complete, and widely used method in the world. Developed in the 20th century by Paul Taffanel and Phillippe Gaubert. The method is structured into eight parts that work on various topics. The first part studies technical development through the implementation of exercises on simple attack, syncopation, sharps and flats, scales, and breathing. The second part works on ornaments, specifically trills, mordents, acciaccaturas, and appoggiaturas. The third part works on double and triple staccato. In the fourth part, it develops daily mechanism exercises. Next, it carries out 24 progressive studies in its fifth part. Subsequently, the technical study of the instrument concludes by implementing twelve virtuosity studies. In the seventh part of the method, the interpretive style is studied. Finally, the eighth part studies the difficult passages of the orchestral parts.

The Flutist's Vade Mecum of Scales, Arpeggios, Trills, and Fingering Technique is a flute method developed by W. Kujala. It is structured in eight parts. The first part studies technical elements such as scales, arpeggios, triads, seventh chords, and studies. The second part carries out an in-depth study of scales, while the third part studies intervals. The fourth part studies elements such as accelerandos, trills, open arpeggios, and miscellaneous studies. The fifth part of the method studies several types of unusual scales, such as pentatonic, blues, octatonic, Hungarian minor, and modal scales. The sixth part of the method presents various studies based on chord progressions. Finally, the seventh part contains instructions for the method.

The Other Flute: A Performance Manual of Contemporary Techniques is a treatise for flute developed by R. Dick that studies extended techniques in depth and is organized into four sections. The first section explores aspects of the traditional flute, such as the Boehm mechanism, various types of concert flutes, positions in the fourth octave, the piccolo, bass, and alto flutes, and traditional writing. The second part of the method studies simple sounds through elements such as harmonics, alternative fingerings, microtones, quarter tones, microtonal segments, and glissandos. The third section studies multiple sounds and their foundations. Finally, the fourth part studies various extended

techniques such as flutter tonging, percussive sounds, glissandos, whisper tones, jet whistles, singing and playing, and circular breathing. *Tone Development Through Extended Techniques* is another of Robert Dick's contributions. This method is structured in three chapters. The first chapter studies elements such as throat tuning, natural harmonics, whisper tones, and bending. The second chapter explores elements such as extended timbres, diffuse tones, bright tones, bamboo scales, and timbral trills. Finally, the third chapter explores various multiphonic positions for intervals of thirds, sixths, perfect fourths, ninths, octaves, perfect fifths, and other types of short intervals.

Graff, Peter Lukas. *Check-up: Basic Studies* is one of the most revolutionary methods, and it contains a series of 20 basic exercises for flute. Explore elements such as abdominal breathing, full breathing, extended techniques—specifically whistle tone, glissandos, harmonics, and singing and playing. The method also explores studies of position and timing, scales, arpeggios, chromatic scales, whole tone scales, intervals, registers, and dynamics, language training, and control of octaves and trills.

Other documents that supported this research are those such as the master's degree dissertation written by Jane D. Bottieff entitled *Flute Extended Techniques: A Practice Guide and Analytical Study of Hatching Aliens by Ian Clarke*. This document presents an overview of extended techniques, a list of common extended techniques for flute, contextual and biographical information about Ian Clarke, and a study on the work *Hatching Aliens*. Also, the article written by Julie Delisle entitled *Mapping the Sound World on the Flute: Towards a New Classification of Standard and Extended Techniques* presents a study that classifies flute extended techniques based on musical gestures and articulators involved in sound production. First, it categorizes techniques into excitation, selection, and modification gestures, drawing from existing literature on flute-extended techniques. This study applies the Hornbostel and Sachs classification systems to explore the flute as a versatile instrument and discusses the relationship between playing techniques and sound production. The result of this classification showed implications for instrumental pedagogy, acoustics, and contemporary music notation studies.

Research Methodology

The methodology of the research project is structured in five phases that articulate the development of the stated goals: 1) Analytical Phase; 2) Creation of etudes; 3) Etude application and selection; 4) Product compilation; and 5) Conclusions. The first methodological phase of research involved a qualitative, detailed, and in-depth study from a holistic perspective on the flute-extended technique known as singing and playing. This phase identified the common problems presented with sound construction during the practice of instrumental performance. The second methodological phase focused on developing different etudes based on singing and playing that could help with sound development. The creative process was concentrated on developing etudes that explore fundamentals such as major and minor scales and arpeggios, harmonic progressions, and intervals (thirds, fourths, fifths, and sixths) through singing and playing. The third phase focused on applying the studies developed in phase 2 to a group of students from Colombian universities such as the Universidad de Pamplona, Universidad Distrital, and Universidad Sergio Arboleda. Through the weekly observation and feedback from each of the participants, the most significant etudes, according to the students' comments, were selected to be included in the method. During this phase, the technical benefits of the constant and guided use of singing and playing were identified. The fourth phase organized the selected etudes in a method that guides the mastery of singing and playing. The last phase developed the general thoughts and conclusions of the research project.

Conclusions

This treatise provides an analytical examination of several facts that make up the flute-extended technique known as singing and playing. These components covered topics such as 1) the pedagogical benefits of frequently using the Singing and Playing flute extended technique; 2) a succinct explanation that demonstrates the process of producing sound on the flute (to comprehend the principles of the Singing and Playing flute extended technique); 3) an examination of the Singing and Playing graphic notation; and 4) a recommended lesson plan for expanding the use of the Singing and Playing flute extended technique. Then, the book presented the philosophy and the primary conceptual tenets of the treatise created throughout the study. The primary conceptual pillars are Warming Up, Singing in Unison or Octaves, Contrary Motion, Melodic Singing and Playing, Permutation of Lines, Exploration of Registers (in voice and flute), Independence between Voices, Performing Parallelism, and Gradualism. Last, the book's final section presented a method that guides students to master the fundamentals of the art of singing and playing. This approach concentrated on studying, through this extended technique, some principles such as major and minor scales and arpeggios, harmonic progressions, and the study of intervals (thirds, fourths, fifths, and sixths). Finally, the complete method, instead of treating the entire process to develop technical flute foundations (scales or intervals), might be viewed as a kind of solfeggio method for improving singing abilities while playing the flute.

Singing and Playing Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.1 Flute Pedal/ Voice Pedal/ Contrary Motion

(♩ = 60)

Flute

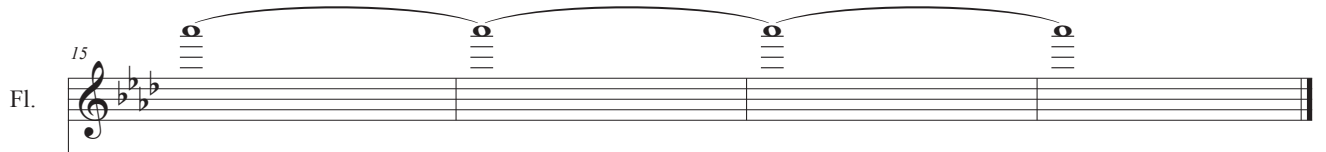
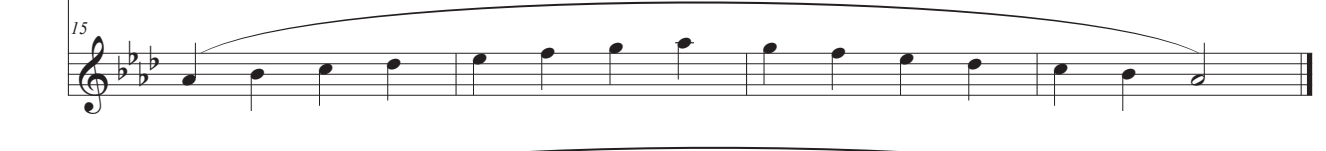


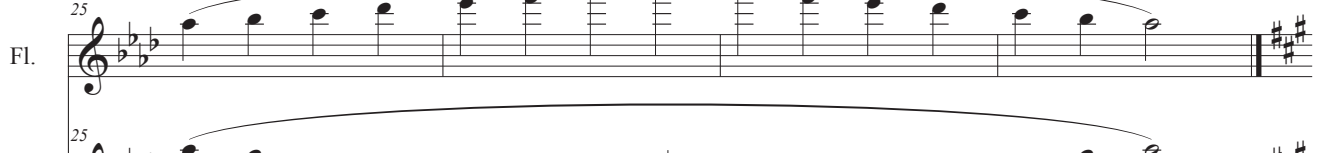





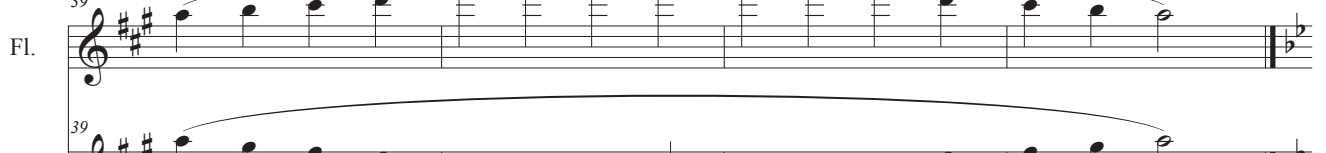

Voice

Fl.

Fl.

©JesusCastro

Singing and Playing Major Scales

15 Fl. 
15 
19 Fl. 
19 
25 Fl. 
25 
29 Fl. 
29 
33 Fl. 
33 
39 Fl. 
39 

Hydrate Yourself!

Singing and Playing Major Scales

43 Fl.

43 Fl.

47 Fl.

47 Fl.

53 Fl.

53 Fl.

57 Fl.

57 Fl.

61 Fl.

61 Fl.

67 Fl.

67 Fl.

Singing and Playing Major Scales

71 Fl.

75 Fl.

80 Fl.

84 Fl.

Hydrate Yourself!

88 Fl.

93 Fl.

Singing and Playing Major Scales

Fl. 97

Musical notation for Flute 97, measures 97-100. The top staff shows fingerings for notes G4, A4, B4, and C5. The bottom staff shows the corresponding notes on a treble clef staff with a key signature of two sharps (F# and C#). A slur covers all notes from G4 to C5.

Fl. 101

Musical notation for Flute 101, measures 101-104. The top staff shows fingerings for notes D5, E5, F#5, G5, A5, B5, and C6. The bottom staff shows the corresponding notes on a treble clef staff with a key signature of two sharps. A slur covers all notes from D5 to C6.

Fl. 106

Musical notation for Flute 106, measures 106-109. The top staff shows fingerings for notes D5, E5, F#5, G5, A5, B5, and C6. The bottom staff shows the corresponding notes on a treble clef staff with a key signature of two sharps. A slur covers all notes from D5 to C6.

Singing and Playing Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.2 Flute Pedal/ Voice Pedal/ Contrary Motion

(♩ = 60)

Flute

Voice

Fl.

Fl.

©JesusCastro

Singing and Playing Minor Scales

43 Fl. 

43 

47 Fl. 

47 

53 Fl. 

53 

57 Fl. 

57 

61 Fl. 

61 

67 Fl. 

67 

Singing and Playing Minor Scales

71

Fl.

71

75

Fl.

75

81

Fl.

81

85

Fl.

85

89

Fl.

89

95

Fl.

95

Singing and Playing Minor Scales

99 Fl.

103 Fl.

109 Fl.

113 Fl.

117 Fl.

123 Fl.

Hydrate Yourself!

Singing and Playing Minor Scales

Fl. 127

Fl. 131

Fl. 137

Fl. 141

Fl. 145

Fl. 151

Singing and Playing Minor Scales

Fl. 155

Singing and Playing Minor Scales

183

F1.

183

F1.

187

F1.

187

F1.

193

F1.

193

F1.

197

F1.

197

F1.

201

F1.

201

F1.

207

F1.

207

F1.

Singing and Playing Minor Scales

211

Fl.

215

Fl.

220

Fl.

224

Fl.

228

Fl.

233

Fl.

Singing and Playing Minor Scales

Fl. 237

Fl. 241

Fl. 246

Hydrate Yourself!

Fl. 250

Fl. 254

Fl. 259

Singing and Playing Minor Scales

Fl. 263

Fl. 267

Fl. 272

Fl. 276

Fl. 280

Fl. 285

Singing and Playing Minor Scales

Fl. 289

Fl. 289

Fl. 293

Fl. 293

Fl. 298

Fl. 298

Fl. 302

Fl. 302

Fl. 306

Fl. 306

Fl. 311

Fl. 311

Singing and Playing Minor Scales

Fl. 315

Fl. 315

Fl. 319

Fl. 319

Fl. 324

Fl. 324

Fl. 328

8va -----

Fl. 328

Fl. 332

Fl. 332

Fl. 337

Fl. 337

Singing and Playing Minor Scales

Fl. *8va*

341

341

Fl. 345

345

Fl. 350

350

Fl. *8va*

354

354

Fl. 358

358

Fl. 363

363

Hydrate Yourself!

Singing and Playing Major Arpeggios

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

The following group of etudes are inspired in Pter Lukas Graff's Check Up - Exercise No. 6 Singing and Playing

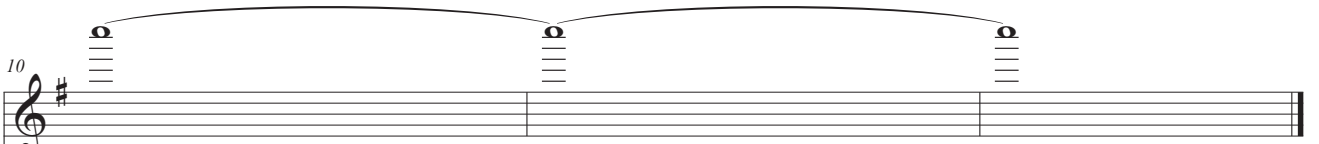
2.3 Flute Pedal/ Voice Pedal/ Parallel Motion

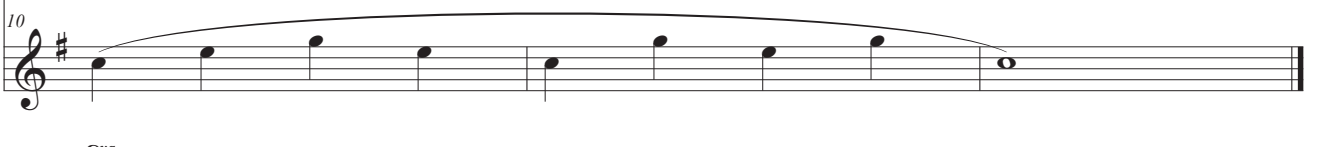
(♩ = 60)

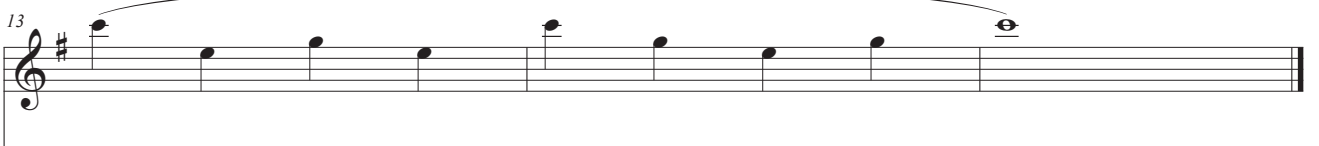
The score consists of three systems of staves. The first system has a Flute staff and a Voice staff. The Flute staff has a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It contains three whole notes on a high register, each with a trill-like symbol below it. The Voice staff has a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It contains a descending scale of eighth notes starting from a high note and ending on a low note. The second system has two Flute staves. The top staff has a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It contains a descending scale of eighth notes starting from a high note and ending on a low note. The bottom staff has a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It contains three whole notes on a low register, each with a trill-like symbol below it. The third system has two Flute staves. The top staff has a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It contains an ascending scale of eighth notes starting from a low note and ending on a high note. The bottom staff has a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. It contains an ascending scale of eighth notes starting from a low note and ending on a high note. Dashed lines labeled '8va' indicate octave shifts between the first and second systems, and between the second and third systems.

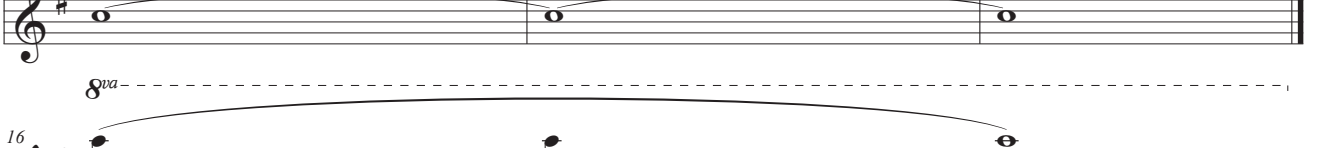
©JesusCastro


Singing and Playing Major Arpeggios

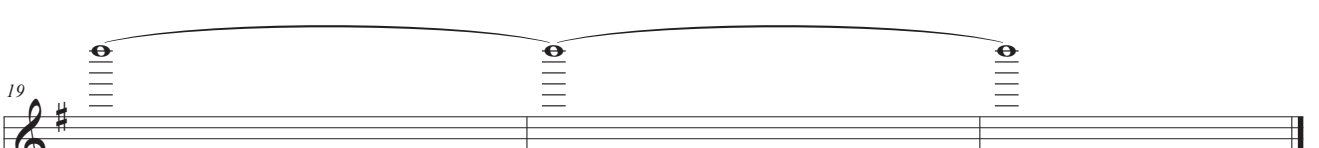
10 Fl. 

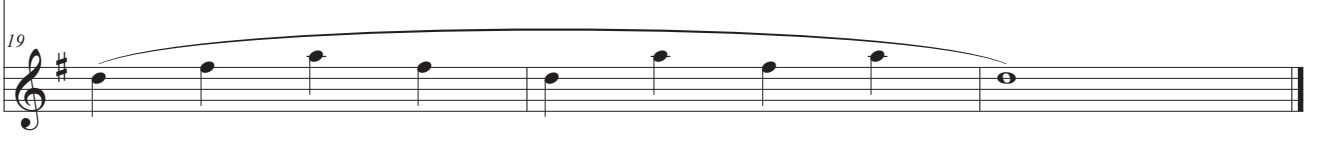
10 


13 Fl. 

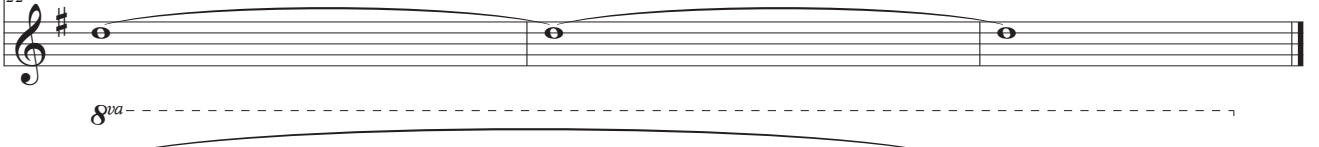
13 


16 Fl. 

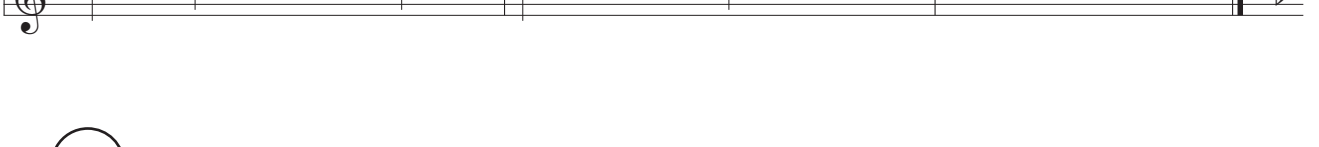
16 


19 Fl. 

19 

22 Fl. 

22 

25 Fl. 

25 

Singing and Playing Major Arpeggios

The musical score is organized into six systems, each containing two staves. The first staff of each system is for the flute (Fl.) and the second is for singing. The key signature is B-flat major (two flats). The time signature is 4/4. Each system is marked with a measure number at the beginning of the first staff: 28, 31, 34, 37, 40, and 43. The flute parts feature major arpeggios, with some measures containing triplets of eighth notes. The singing parts feature a melodic line with a long slur over the entire phrase. A dashed line labeled '8va' is positioned between the two staves of each system, indicating an octave shift for the singing part. The score concludes with a double bar line at the end of the final system.

Singing and Playing Major Arpeggios

Fl. 46 *8va*

Fl. 46

Fl. 49 *8va*

Fl. 49

Fl. 52 *8va*

Fl. 52

Fl. 55

Fl. 55

Fl. 58 *8va*

Fl. 58

Fl. 61 *8va*

Fl. 61

Singing and Playing Major Arpeggios

64 Fl.

67 Fl.

70 Fl.

73 Fl.

76 Fl.

79 Fl.

Hydrate Yourself!

Singing and Playing Major Arpeggios

82
Fl. *8va*

85
Fl. *8va*

88
Fl. *8va*

91
Fl. *8va*

94
Fl. *8va*

97
Fl. *8va*

Singing and Playing Major Arpeggios

Fl. 100

Fl. 103

Fl. 106

Fl. 109

Fl. 112

Fl. 115

Singing and Playing Major Arpeggios

118 Fl.

118

121 Fl.

121

124 Fl.

124

127 Fl.

127

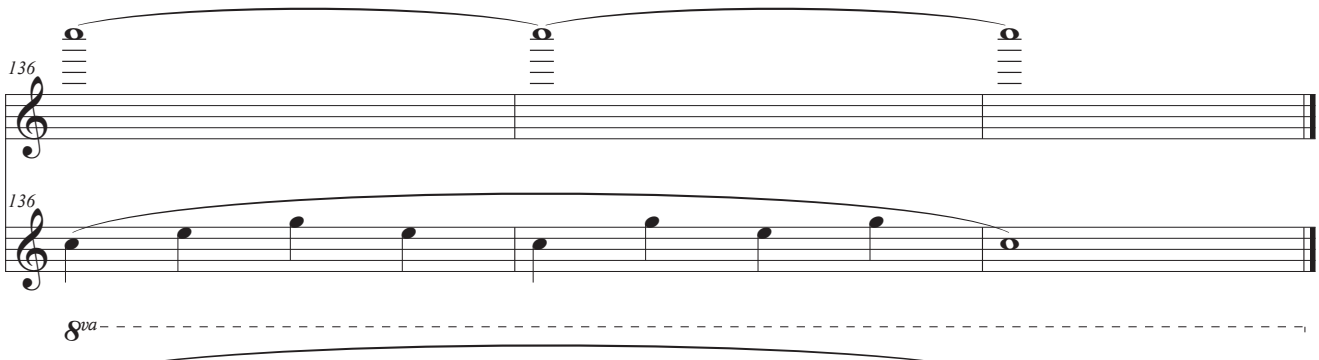
130 Fl.

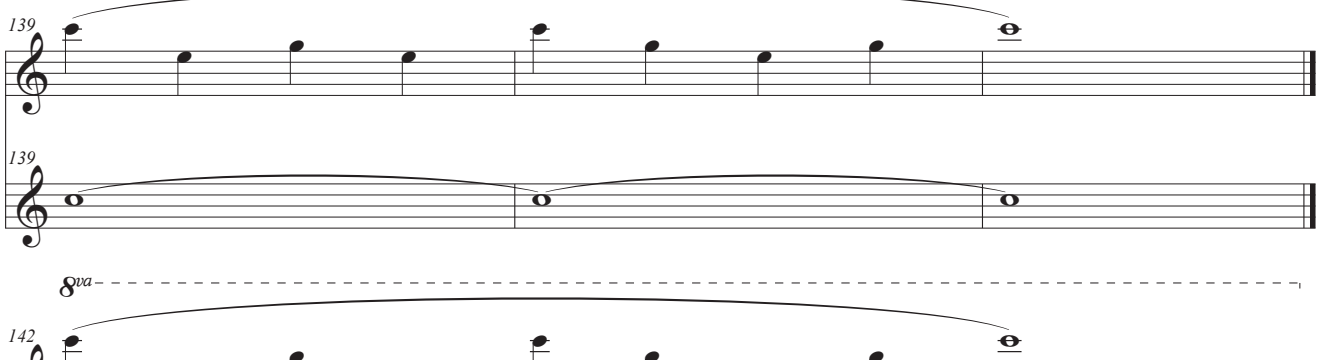
130

133 Fl.


133

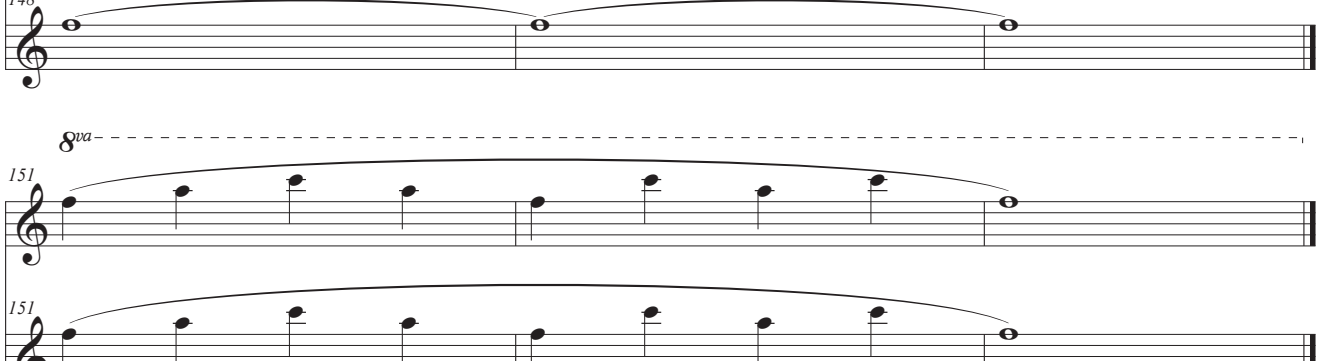
Singing and Playing Major Arpeggios

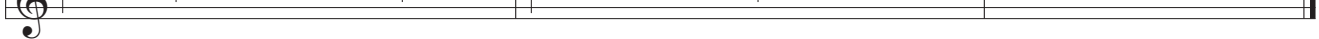
136 Fl. 

139 Fl. 

142 Fl. 

145 Fl. 

148 Fl. 

151 Fl. 

Singing and Playing Major Arpeggios

Fl. 154

Fl. 157

8va

Fl. 160

8va

Fl. 163

Fl. 166

8va

Fl. 169

8va

Hydrate Yourself!

Singing and Playing Major Arpeggios

Fl. 172

Fl.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

Fl. 175

Fl.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur. An *8va* marking is above the staff.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

Fl. 178

Fl.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur. An *8va* marking is above the staff.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

Fl. 181

Fl.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

Fl. 184

Fl.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur. An *8va* marking is above the staff.

Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur.

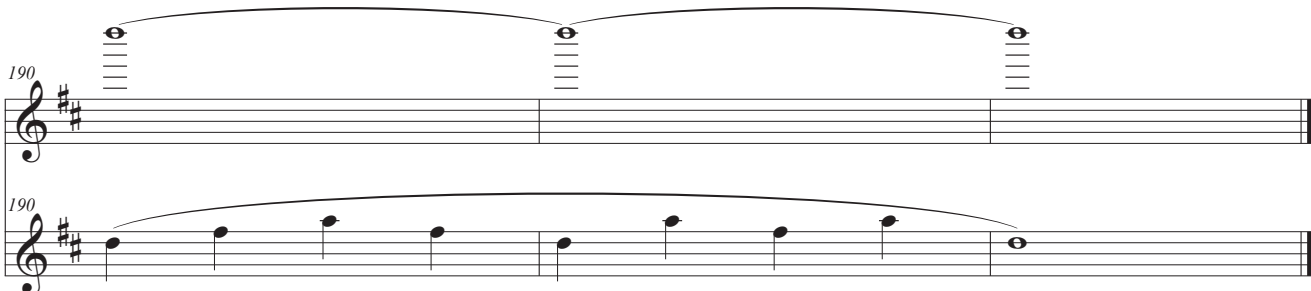
Fl. 187

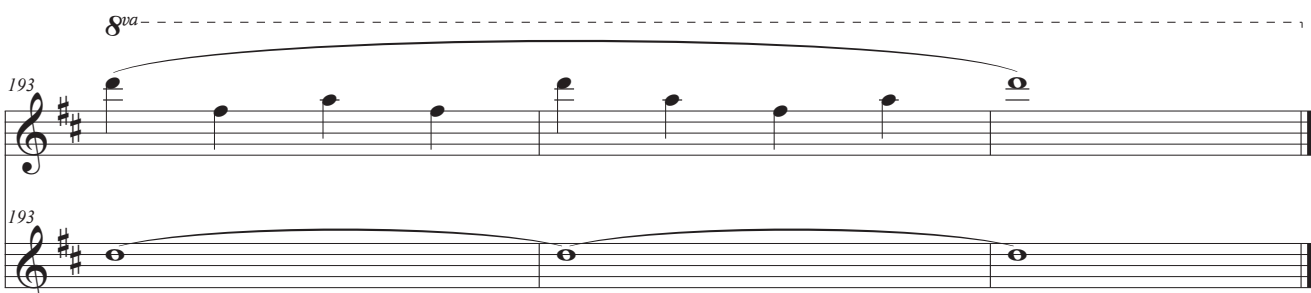
Fl.

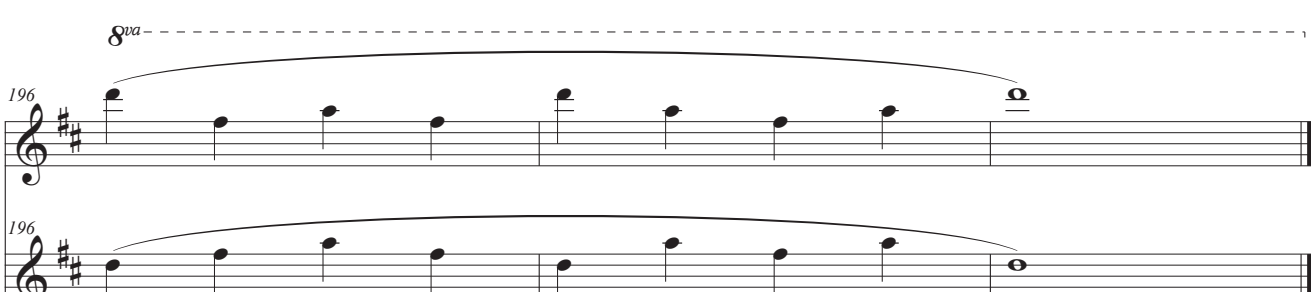
Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur. An *8va* marking is above the staff.

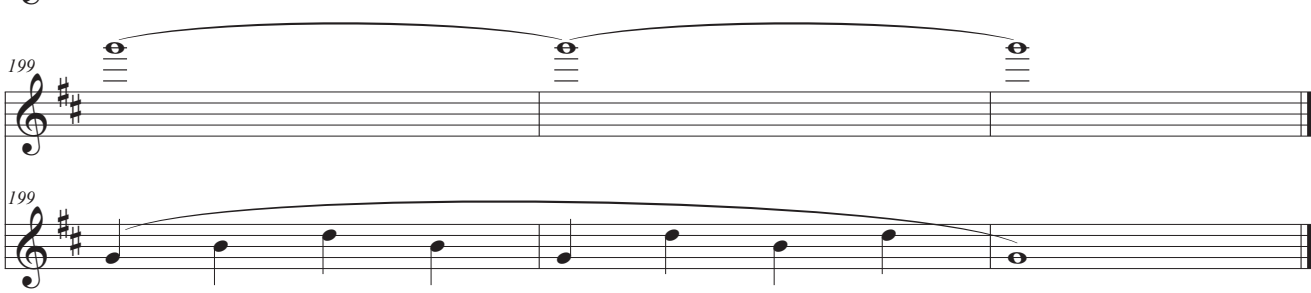
Musical staff showing three measures of music for Flute. The notes are G4, A4, B4, C5, B4, A4, G4, all beamed together and held with a long slur. The key signature changes to one sharp (F#) at the end of the staff.

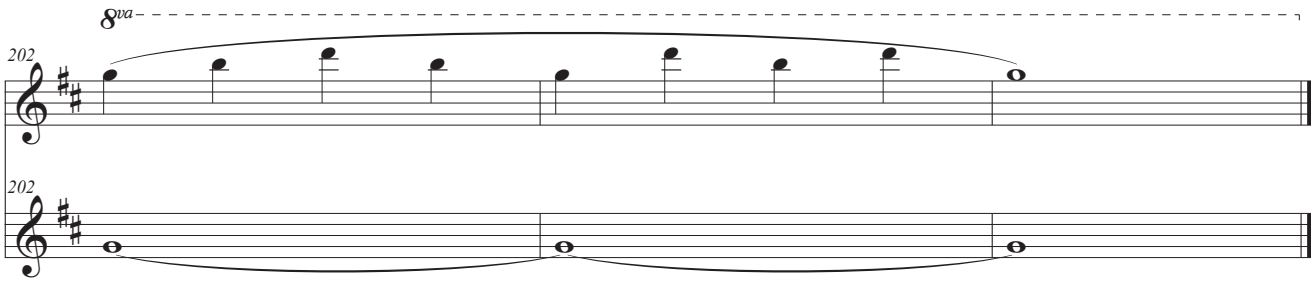
Singing and Playing Major Arpeggios


190 Fl. 

193 Fl. 

196 Fl. 

199 Fl. 

202 Fl. 

205 Fl. 

Singing and Playing Major Arpeggios

208
Fl.

208

211
Fl.

211

214
Fl.

214

217
Fl.

217

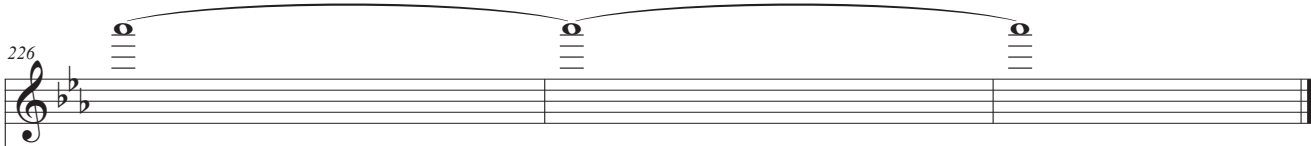
220
Fl.


220


223
Fl.

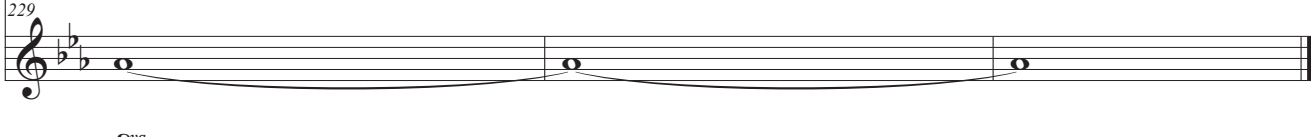
223


Singing and Playing Major Arpeggios

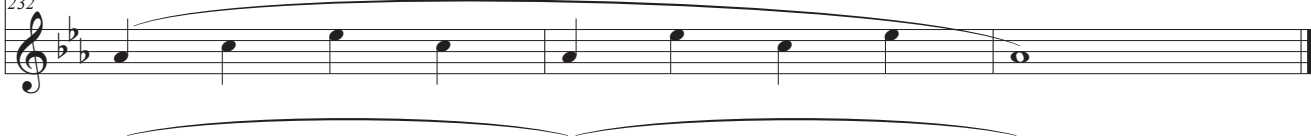
226 Fl. 

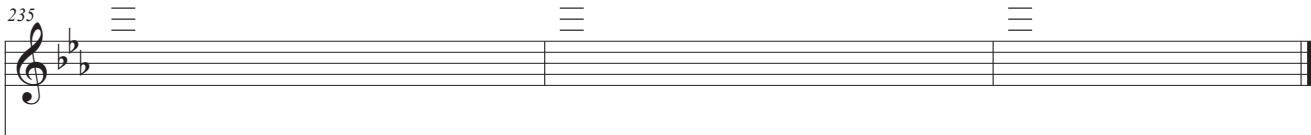
226 

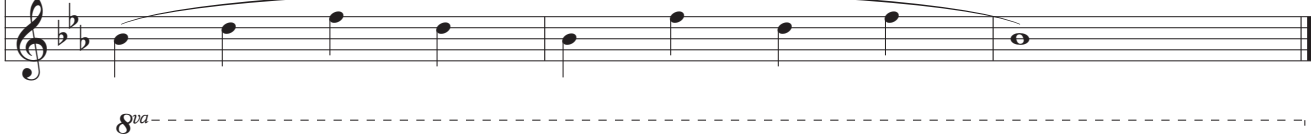
229 Fl. 

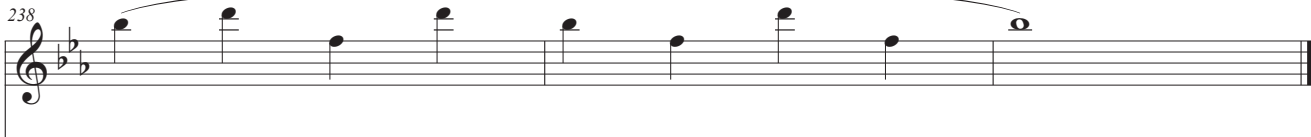
229 

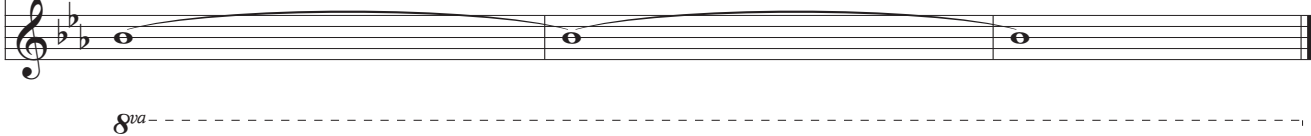
232 Fl. 

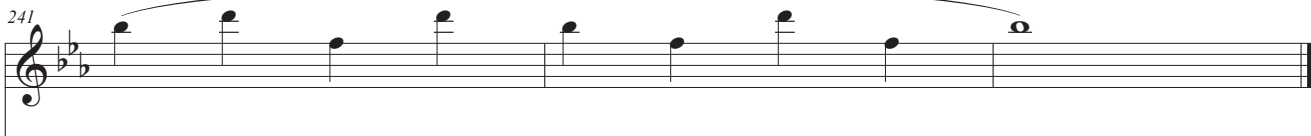
232 


235 Fl. 

235 

238 Fl. 

238 

241 Fl. 

241 

Hydrate Yourself!

Singing and Playing Minor Arpeggios

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

The following group of etudes are inspired in Pter Lukas Graff's Check Up - Exercise No. 6 Singing and Playing

2.4 Flute Pedal/ Voice Pedal/ Parallel Motion

Flute

Voice

Fl.

Fl.

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Singing and Playing Minor Arpeggios

Fl. 10

Fl. 13

Fl. 16

Fl. 19

Fl. 22

Fl. 25

Singing and Playing Minor Arpeggios

Fl. 28

Fl. 31

Fl. 34

Fl. 37

Fl. 40

Fl. 43

Singing and Playing Minor Arpeggios

Fl. 46 *8va*

Fl. 49 *8va*

Fl. 52 *8va*

Fl. 55

Fl. 58 *8va*

Fl. 61 *8va*

Singing and Playing Minor Arpeggios

64 Fl. *8va*

67 Fl. *8va*

70 Fl. *8va*

73 Fl.

76 Fl. *8va*

79 Fl. *8va*

Hydrate Yourself!

Singing and Playing Minor Arpeggios

The musical score is organized into four systems, each containing two staves. The top staff of each system is for the flute (Fl.) and includes a vocal line with a slur and a dashed line labeled '8va' indicating an octave. The bottom staff of each system is for the flute (Fl.) and contains a melodic line with a slur. The key signature is three flats (B-flat, E-flat, A-flat) and the time signature is 4/4. The systems are numbered 82, 85, 91, and 94. The first system (82) shows the flute playing a whole note chord (B-flat, E-flat, A-flat) in the first measure, which then transitions into a melodic line. The subsequent systems (85, 91, 94) show the flute playing a melodic line that starts with a whole note chord (B-flat, E-flat, A-flat) in the first measure and continues with a series of eighth notes.

Singing and Playing Minor Arpeggios

Fl. 100

Two staves of music for Flute. The top staff shows three whole notes with a slur above them. The bottom staff shows a melodic line with eighth notes and quarter notes, also slurred.

Fl. 103

8^{va}-----

Two staves of music for Flute. The top staff shows a melodic line with eighth notes and quarter notes, slurred. A dashed line labeled '8^{va}' is above the staff. The bottom staff shows a bass line with whole notes, slurred.

Fl. 106

8^{va}-----

Two staves of music for Flute. The top staff shows a melodic line with eighth notes and quarter notes, slurred. A dashed line labeled '8^{va}' is above the staff. The bottom staff shows a bass line with whole notes, slurred.

Fl. 109

Two staves of music for Flute. The top staff shows three whole notes with a slur above them. The bottom staff shows a melodic line with eighth notes and quarter notes, slurred.

Fl. 112

8^{va}-----

Two staves of music for Flute. The top staff shows a melodic line with eighth notes and quarter notes, slurred. A dashed line labeled '8^{va}' is above the staff. The bottom staff shows a bass line with whole notes, slurred.

Fl. 115

8^{va}-----

Two staves of music for Flute. The top staff shows a melodic line with eighth notes and quarter notes, slurred. A dashed line labeled '8^{va}' is above the staff. The bottom staff shows a bass line with whole notes, slurred.

Singing and Playing Minor Arpeggios

118

Fl.

121

Fl.

8^{va}

124

Fl.

8^{va}

127

Fl.

130

Fl.

8^{va}

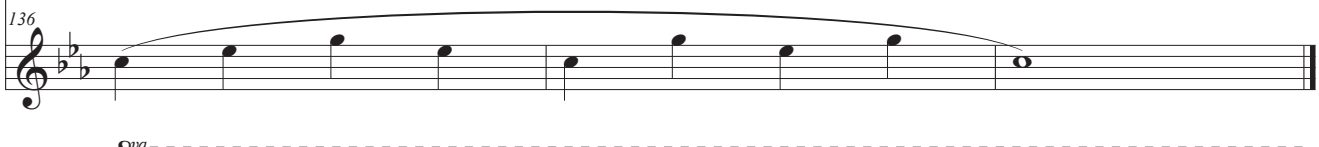
133

Fl.

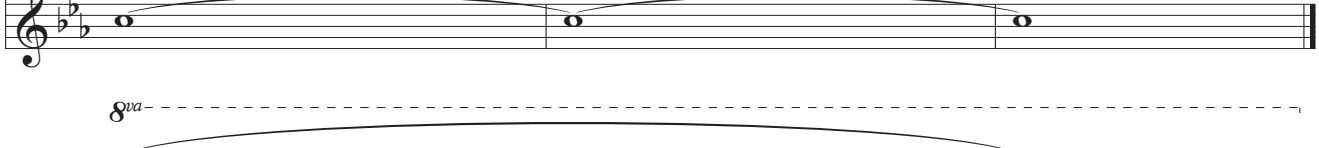
8^{va}


Singing and Playing Minor Arpeggios

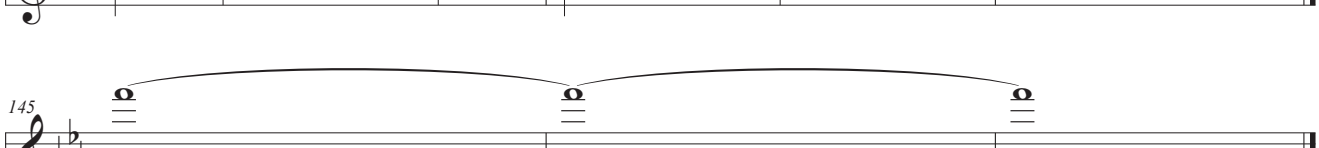
136 Fl. 

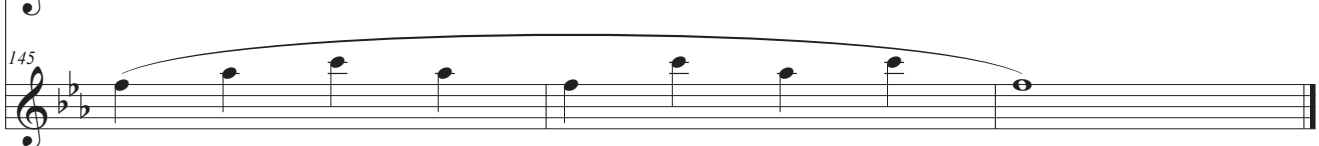
136 Fl. 

139 Fl. 

139 Fl. 

142 Fl. 

142 Fl. 


145 Fl. 

145 Fl. 

148 Fl. 

148 Fl. 

151 Fl. 

151 Fl. 

Singing and Playing Minor Arpeggios

Fl. 154

Fl. 154

Fl. 157

Fl. 157

Fl. 160

Fl. 160

Hydrate Yourself!

Fl. 163

Fl. 166

Fl. 166

Fl. 169

Fl. 169

Singing and Playing Minor Arpeggios

172 Fl. 

8va-----
175 Fl. 

8va-----
178 Fl. 

181 Fl. 

8va-----
184 Fl. 

8va-----
187 Fl. 


Singing and Playing Minor Arpeggios

Fl. 190

Fl. 193

Fl. 196

Fl. 199

Fl. 202

Fl. 205

Singing and Playing Minor Arpeggios

208

Fl.

208

8^{va}-

211

Fl.

211

8^{va}-

214

Fl.

214

217

Fl.

217

8^{va}-

220

Fl.

220

8^{va}-

223

Fl.

223

Singing and Playing Minor Arpeggios

The musical score is organized into six systems, each containing two staves. The top staff of each system is for singing, and the bottom staff is for playing. The key signature is B-flat major (two flats). The systems are numbered as follows:

- System 1: Measures 226-228. The singing part features a long note with a slur over it. The playing part features a descending eighth-note arpeggio.
- System 2: Measures 229-231. The singing part features a long note with a slur over it. The playing part features a descending eighth-note arpeggio.
- System 3: Measures 232-234. The singing part features a long note with a slur over it. The playing part features a descending eighth-note arpeggio.
- System 4: Measures 235-237. The singing part features a long note with a slur over it. The playing part features a descending eighth-note arpeggio.
- System 5: Measures 238-240. The singing part features a long note with a slur over it. The playing part features a descending eighth-note arpeggio.
- System 6: Measures 241-243. The singing part features a long note with a slur over it. The playing part features a descending eighth-note arpeggio.

Each system includes a dashed line labeled *8va* indicating the octave for the singing part. The playing part consistently uses eighth notes for the arpeggios.

Hydrate Yourself!

Singing and Playing Diminish Seventh-Arpeggios

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.5 Flute Pedal/ Voice Pedal/ Parallel Motion

(♩ = 60)

Flute

Voice

Fl.

©JesusCastro

Singing and Playing
Diminish Seventh-Arpeggios

Fl. 13

Hydrate Yourself!

Fl. 19

Hydrate Yourself!

Fl. 25

Hydrate Yourself!

Fl. 31

Hydrate Yourself!

Fl. 37

Hydrate Yourself!

Singing and Playing
Diminish Seventh-Arpeggios

Fl. 43

Fl. 43

Fl. 49

Fl. 49

Hydrate Yourself!

Singing and Playing Augmented Arpeggios

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.6 Flute Pedal/ Voice Pedal/ Parallel Motion

(♩ = 60)

The musical score is written for Flute and Voice. It is in 4/4 time with a tempo of 60 beats per minute. The key signature is one sharp (F#). The score is divided into two systems. The first system consists of a Flute part and a Voice part. The second system consists of two Flute parts. Each part features a series of arpeggiated notes with slurs and breath marks. The notes are arranged in a way that demonstrates parallel motion between the voice and flute parts.

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Singing and Playing Augmented Arpeggios

Fl. 13

13

Hydrate Yourself!

Fl. 19

19

Fl. 25

25

Fl. 31

31

Hydrate Yourself!

Fl. 37

37

Singing and Playing Augmented Arpeggios

43 Fl.

43 Fl.

49 Fl.

Singing and Playing Progressions

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Once you understand the progression, transpose it chromatically half step above. Always think about the following harmonic progression:

I - IV - V- vi -iii- ii - vii° - I - i°7

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.7 Flute Pedal/ Voice Pedal/ Parallel Motion

The musical score consists of two systems. The first system is labeled 'I: G' and the second system is labeled 'IV: C'. Each system contains two staves: the top staff is for the Flute and the bottom staff is for the Voice. The Flute part features a series of arpeggiated chords and scales, while the Voice part features a series of sustained notes and scales. The key signature is one sharp (F#) and the time signature is 4/4.

Singing and Playing Progressions

17

Fl.

V:D

25

Fl.

vi: Em

33

Fl.

iii: Bm

41

Fl.

ii: Am

49

Fl.

vii: F#dis

57

Fl.

I: G

i°7
Ab: vii°7

Singing and Playing Progressions

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the scales and arpeggios as high as you can according to your flute register. It is fine if you decide to change octaves of some notes in the voice or flute part, according to your domain of the vocal or flute range.

Each scale/arpeggio follows the pattern of moving the scale on voice over a flute pedal; moving the scale on the flute over a voice pedal; and, moving the scale in opposite directions on both lines.

Once you understand the progression, transpose it chromatically half step above. Always think about the following harmonic progression:

i - iv - V - VI - III - ii^o7 - vii^o - i - i^o7

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.8 Flute Pedal/ Voice Pedal/ Parallel Motion

The image displays two systems of musical notation. The first system is for Flute and Voice in G minor (one flat), 4/4 time. The Flute part features a pedal point on G (indicated by a circled G) with a scale ascending and then descending over it. The Voice part features a scale ascending and then descending over a pedal point on G. The second system is for Flute and Voice in C minor (two flats), 4/4 time. The Flute part features a pedal point on C (indicated by a circled C) with a scale ascending and then descending over it. The Voice part features a scale ascending and then descending over a pedal point on C. Both systems include fingering diagrams for the flute.

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Singing and Playing Progressions

Fl. 17

Fl. 17

Fl. 25

V:D

Fl. 25

Fl. 33

VI: Eb

Fl. 33

Fl. 41

III: Bb

Fl. 41

Fl. 49

ii°: A°

Fl. 49

Fl. 57

i: Gm

i°7
Ab: vii°7

Fl. 57

Singing and Playing Chromaticisms

Jesús Castro Turriago

Directions:

Try to sing as low as you can, according to your vocal range, and play the chromaticisms. The upper line is the flute while the lower line is the voice. This etude is one of the most difficult ones. Focus on the voice line and sing as best as you can.

Goals:

1. Opening of the larynx.
2. Activation of the body as an apparatus of resonance.
3. Development of lips resistance.
4. Focused airstream direction through the embouchure whole
5. Clarified sound.
6. Development of independence between the brain-finger-air column relationship.

2.9 Singing and Playing Chromaticisms

The musical score consists of four staves. The first staff is labeled 'Flute and Voice' and shows a 4/4 time signature with a treble clef. It contains a series of chromatic notes for both instruments. The second staff is labeled 'Fl.' and starts at measure 5, continuing the chromatic exercise. The third staff is labeled 'Fl.' and starts at measure 8, with some notes marked with an 'x'. The fourth staff is labeled 'Fl.' and starts at measure 12, also with some notes marked with an 'x'. The key signature is one sharp (F#).

Thirds Etude Warm Up

Jesús Castro Turriago

Sing as lower as you possibly can!

(♩ = 60)

Flute

Voice

Sing as lower as you possible can and breath whenever you need.

(♩ = 60)

Fl.

JesusCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.1 Ascending unison/octaves by thirds

(♩ = 88-100)

The musical score consists of three systems. The first system has two staves: Flute (top) and Voice (bottom). The Flute part starts on a high note (F#5) and ascends by thirds: F#5, A5, B5, C#6, D6, E6, F#6, G6, A6, B6, C#7, D7, E7, F#7, G7, A7, B7, C#8, D8. The Voice part starts on a low note (D3) and ascends by thirds: D3, F#3, A3, B3, C#4, D4, E4, F#4, G4, A4, B4, C#5, D5, E5, F#5, G5, A5, B5, C#6, D6. The second system has two staves: Fl. (top) and another Fl. (bottom). Both start on a high note (F#5) and ascend by thirds: F#5, A5, B5, C#6, D6, E6, F#6, G6, A6, B6, C#7, D7, E7, F#7, G7, A7, B7, C#8, D8. The third system has two staves: Fl. (top) and another Fl. (bottom). Both start on a low note (D3) and ascend by thirds: D3, F#3, A3, B3, C#4, D4, E4, F#4, G4, A4, B4, C#5, D5, E5, F#5, G5, A5, B5, C#6, D6.

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Thirds Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.1.1 Ascending unison/octaves by thirds (transposed)

(♩ = 88-100)

Flute

9

Fl.

17

Fl.

25

Fl.

33

Fl.

41

Fl.

JesúsCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.2 Descending unison/octaves by thirds

(♩ = 88-100)

Flute

Voice

Fl.

Voice

JesusCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.2.1 Descending unison/octas by thirds (transposed)

(♩ = 88-100)

Flute

Fl. 9

Fl. 17

Fl. 25

Fl. 33

Fl. 41

JesusCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.3 Contrary Motion Thirds

(♩ = 66-80)

The musical score consists of three systems of staves. The first system includes a Flute part and a Voice part. The second system includes two Flute parts, both starting with a '6' above the staff. The music is in 4/4 time with a key signature of one sharp (F#). The tempo is marked as quarter note = 66-80. The Flute parts play ascending and descending eighth-note patterns, while the Voice part provides a corresponding descending and ascending eighth-note line. The final notes of each part are held for a longer duration, indicated by a fermata.

JesusCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.3.1 Contrary Motion Thirds (Transposed)

(♩ = 66-80)

The musical score consists of seven staves, each representing a different transposition of the exercise. Each staff is labeled 'Fl.' on the left. The first staff is labeled 'Flute' and includes a treble clef, a key signature of three flats (B-flat, E-flat, A-flat), and a 4/4 time signature. The tempo marking '(♩ = 66-80)' is placed above the first staff. The exercise is written in contrary motion thirds, with the upper line (flute) moving in one direction and the lower line (voice) moving in the opposite direction. The staves are numbered 1, 9, 17, 25, 33, 41, and 49, indicating the starting measure for each transposition. The key signatures for the staves are: 1 (three flats), 9 (two sharps), 17 (one flat), 25 (three sharps), 33 (one sharp), 41 (two flats), and 49 (one sharp). Each staff concludes with a double bar line and repeat dots.

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Thirds Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.4 Contrary Motion Thirds (Permutation)

(♩ = 66-80)

Flute

Voice

Fl.

6

6

JesusCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.4.1 Contrary Motion Thirds Transposed (Permutation)

(♩ = 66-80)

Flute

9

Fl.

17

Fl.

25

Fl.

33

Fl.

41

Fl.

49

Fl.

JesúsCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

3.5 Melodic singing and playing

The musical score is written for Flute and Voice in 3/4 time, G major (one sharp). The first system shows the Flute part with a melodic line of eighth notes and the Voice part with a corresponding melodic line. The voice part is marked with *8va* and a dashed line above the staff, indicating it should be sung an octave higher. The second system shows the continuation of the melody, with the Flute part ending on a dotted half note and the Voice part ending on a dotted half note. The Flute part is marked with a '7' above the first measure of the second system.

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Thirds Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal register

Sing it by using falsetto voice in the high register

3.5.1 Melodic singing and playing

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Thirds Etud Based on Major Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

3.6 Melodic Singing and Playing (Permutation)

Flute

8va

Voice

Fl.

JesusCastro©

Thirds Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the
Sing the etude an octave higher of your lowest vocal
Sing it by using falsetto voice in the high registering falsetto.

3.6.1 Melodic Singing and Playing Transposed (Permutation)

Flute

Fl. 11

Fl. 21

Fl. 31

Fl. 41

Fl. 51

Fl. 61

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.7 Ascending unison/octaves by thirds on minor harmonic scales

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.7.1 Ascending unison/octaves by thirds on minor harmonic scales (transposed)

(♩ = 88-100)

Flute

9

Fl.

17

Fl.

25

Fl.

33

Fl.

41

Fl.

49

Fl.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.8 Descending Parallel Minor Thirds-Harmonic Scale

(♩ = 88-100)

Flute

Voice

Fl.

Voice

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.8.1 Descending unison/octaves by thirds on minor harmonic scales (transposed)

The musical score consists of seven staves, each labeled 'Fl.' on the left. Each staff contains a single melodic line in treble clef. The music is written in 4/4 time and features descending unison/octaves by thirds on minor harmonic scales, transposed across various keys. The scales are: 1) A minor (no sharps or flats), 2) G minor (one flat), 3) F minor (two flats), 4) E minor (three flats), 5) D minor (two sharps), 6) C minor (three sharps), and 7) B minor (two sharps). Each staff begins with a measure number (9, 17, 25, 33, 41, 49) and ends with a double bar line. The notation includes eighth and sixteenth notes, rests, and accidentals.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.9 Contrary motion thirds on minor harmonic scales

(♩ = 66-80)

Flute

Voice

Fl.

Fl.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.9.1 Contrary Motion Minor Thirds Transposed

(♩ = 66-80)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.10 Contrary motion minor thirds on minor harmonic scales (Permutation)

(♩ = 66-80)

Flute

Voice

Fl.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower is line the

3.10.1 Contrary motion thirds on minor harmonic scales transposed (Permutation)

The musical score consists of seven systems, each representing a different transposition of the exercise. Each system is written for two parts: a Flute part (upper staff) and a Fl. part (lower staff). The exercises are based on minor harmonic scales, and the two parts play contrary motion thirds. The systems are numbered 9, 17, 25, 33, 41, and 49, indicating the starting measure of each system. The key signatures and scales change for each system, but the rhythmic and melodic structure remains consistent. The notation includes treble clefs, 4/4 time signatures, and various note values (quarter, eighth, and sixteenth notes) with stems and beams. The lower staff (Fl.) often features a more active line with many beamed notes, while the upper staff (Flute) has a more melodic line with some slurs and accents.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

3.11 Melodic singing and playing-harmonic scales

The musical score consists of two systems. The first system features a Flute part and a Voice part. Both are in 3/4 time and B-flat major. The Flute part plays a melodic scale starting on G4 and ending on G5. The Voice part plays a harmonic scale starting on G3 and ending on G4, with an *8va* marking above the first measure. The second system features two Flute parts, labeled 'Fl.' and 'Fl.'. The upper Flute part plays a melodic scale starting on G4 and ending on G5. The lower Flute part plays a harmonic scale starting on G3 and ending on G4. Both parts in the second system are marked with a '7' above the first measure, indicating a fingering or breath mark.

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Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the

Sing the etude an octave higher of your lowest vocal register

Sing it by using falsetto voice in the high register

311.1 Melodic singing and playing - harmonic scales (Transposed)

Flute

Fl. 11

Fl. 21

Fl. 31

Fl. 41

Fl. 51

Fl. 61

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

3.12 Melodic singing and playing - harmonic scales (Permutation)

The musical score consists of three systems. The first system is for Flute and Voice. The Flute part is in 3/4 time, key of B-flat major, and features a melodic line with eighth and quarter notes. The Voice part is in the same time and key, featuring a harmonic scale with a dashed line indicating an octave shift (8^{va}). The second system is for Flute (Fl.), showing two staves. The top staff is a melodic line with a fermata over the final note, and the bottom staff is a harmonic scale with a fermata over the final note. Both staves in the second system have a '7' above the first measure, indicating a seventh fingering.

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Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal register

Sing it by using falsetto voice in the high register

3.12.1 Melodic singing and playing-harmonic - scales transposed (Permutation)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.13.1 Ascending unison/octaves by thirds on minor melodic scales (transposed)

(♩ = 88-100)

Flute

9

Fl.

17

Fl.

25

Fl.

33

Fl.

41

Fl.

49

Fl.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.14 Descending unison/octaves by thirds on minor melodic scales

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.14.1 Descending unison/octaves by thirds based on melodic scales (transposed)

(♩ = 88-100)

The musical score consists of seven staves, each labeled 'Fl.' on the left. Each staff contains two lines of music: an upper line for the flute and a lower line for the voice. The music is written in 4/4 time and features descending unison/octaves by thirds based on melodic scales. The key signature changes across the staves: the first staff is in B-flat major (two flats), the second in A-flat major (three flats), the third in G-flat major (four flats), the fourth in F major (one flat), the fifth in E major (one sharp), the sixth in D major (two sharps), and the seventh in C major (no sharps or flats). The tempo is marked as quarter note = 88-100. The score includes various musical notations such as slurs, accents, and dynamic markings.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.15 Contrary motion minor thirds - melodic scale

(♩ = 66-100)

The musical score is written in 4/4 time with a key signature of two flats (B-flat and E-flat). It consists of three systems of staves. The first system includes a Flute staff and a Voice staff. The second system includes two Flute staves, both starting with a measure number '5'. The music features a melodic scale with contrary motion minor thirds. The first system shows the voice part moving downwards while the flute part moves upwards. The second system shows both flute parts moving downwards. The piece concludes with a final note on a whole note.

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Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.15.1 Contrary motion thirds on minor melodic scales (transposed)

(♩ = 88-100)

The musical score consists of seven systems, each with a Flute (Fl.) part on the upper staff and a Voice part on the lower staff. The tempo is marked as ♩ = 88-100. The key signature and time signature vary by system: System 1 (Flute) is in 4/4 with a key signature of three flats; System 2 (Fl.) is in 4/4 with a key signature of two flats; System 3 (Fl.) is in 4/4 with a key signature of one flat; System 4 (Fl.) is in 4/4 with a key signature of one sharp; System 5 (Fl.) is in 4/4 with a key signature of two sharps; System 6 (Fl.) is in 4/4 with a key signature of three sharps; System 7 (Fl.) is in 4/4 with a key signature of two flats. Each system contains two staves of music, with the upper staff for the flute and the lower staff for the voice. The music features contrary motion thirds, with the upper line (flute) moving in one direction and the lower line (voice) moving in the opposite direction. The scales are transposed to fit the range of the instruments. The score includes measure numbers 9, 17, 25, 33, 41, and 49 at the beginning of each system. The notation includes various note values, accidentals, and phrasing slurs.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.16 Contrary motion thirds on minor melodic scales (Permutation)

(♩ = 66-80)

Flute

Voice

Fl.

Fl.

JesusCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

3.16.1 Contrary motion thirds on minor melodic scales transposed (Permutation)

(♩ = 60-80)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

3.17 Melodic singing and playing - melodic scales

The image displays a musical score for a flute and voice performance. The score is written in 3/4 time and consists of two systems. The first system includes a Flute part and a Voice part. The Flute part is written in a treble clef with a key signature of two flats (B-flat and E-flat). The melody consists of eighth notes, with some notes marked with a flat (b) and a sharp (#). The Voice part is written in a treble clef with a key signature of two flats. It features a dashed line labeled '8va' above the staff, indicating that the voice should sing an octave higher than written. The second system includes a Flute part and a Voice part. The Flute part is written in a treble clef with a key signature of two flats. The melody consists of eighth notes, with some notes marked with a flat (b) and a sharp (#). The Voice part is written in a treble clef with a key signature of two flats. It features a dashed line labeled '7' above the staff, indicating that the voice should sing an octave higher than written.

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Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the

Sing the etude an octave higher of your lowest vocal

Sing it by using falsetto voice in the high register

317.1 Melodic singing and playing - melodic scales (Transposed)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Thirds Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

3.18 Melodic singing and playing - melodic scale (permutation)

The image displays a musical score for a flute and voice performance. It consists of three systems of staves. The first system has two staves: 'Flute' (top) and 'Voice' (bottom). Both are in 3/4 time and B-flat major. The flute part starts with a whole note G4, followed by quarter notes A4, Bb4, C5, D5, E5, F5, G5, A5, Bb5, C6, D6, E6, F6, G6. The voice part starts with a whole note G3, followed by quarter notes A3, Bb3, C4, D4, E4, F4, G4, A4, Bb4, C5, D5, E5, F5, G5. An '8va' marking is placed above the first measure of the voice staff. The second system has two staves: 'Fl.' (top) and 'Voice' (bottom). Both start with a measure marked '7'. The flute part has a whole note G5, followed by quarter notes A5, Bb5, C6, D6, E6, F6, G6. The voice part has a whole note G4, followed by quarter notes A4, Bb4, C5, D5, E5, F5, G5. The third system has two staves: 'Fl.' (top) and 'Voice' (bottom). Both start with a measure marked '7'. The flute part has a whole note G5, followed by quarter notes A5, Bb5, C6, D6, E6, F6, G6. The voice part has a whole note G4, followed by quarter notes A4, Bb4, C5, D5, E5, F5, G5.

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Thirds Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal register

Sing it by using falsetto voice in the high register

3.18.1 Melodic singing and playing - melodic scales transposed (permutation)

Flute

11

21

31

41

51

61

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

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Exploring Vocal Registers

Jesús Castro Turriago

Directions:

Sing and play the etude three times. The first time, sing the voice line in your lowest vocal range. The second time, sing the voice line an octave higher from your lowest vocal range. The third time, sing it two octaves from your departing lowest vocal range. Make sure to sing it (the second and third time) by using falsetto voice.

3.19 Working on vocal registers

Musical score for Flute and Voice, measures 1-8. The key signature is one sharp (F#) and the time signature is 3/4. The Flute part (top staff) consists of eighth notes: G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4, C4. The Voice part (bottom staff) consists of quarter notes: G3, A3, B3, C4, B3, A3, G3, F#3, E3, D3, C3. A slur covers the first two notes of both parts, and another slur covers the last two notes.

Musical score for Flute, measures 9-16. The key signature is one sharp (F#) and the time signature is 3/4. The Flute part (top staff) consists of eighth notes: G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4, C4. The Voice part (bottom staff) consists of quarter notes: G3, A3, B3, C4, B3, A3, G3, F#3, E3, D3, C3. A slur covers the first two notes of both parts, and another slur covers the last two notes. The instruction "Repeat 3 Times" is written above the second staff. The measure numbers 8 and 8 are written at the beginning of the first and second staves respectively.

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Exploring Registers

Jesús Castro Turriago

Directions:

Sing and play the etude three times. The first time, play the flute line as written. The second time, play the flute line an octave higher. The third time, play two octaves higher .

3.19.1 Melodic singing and playing

Flute

Voice

Repeat 3 Times

Fl.

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Exploring Vocal Registers

Jesús Castro Turriago

Directions:

Sing and play the etude three times. The first time, sing the voice line in your lowest vocal range. The second time, sing the voice line an octave higher from your lowest vocal range. The third time, sing it two octaves from your departing lowest vocal range. Make sure to sing it (the second and third time) by using falsetto voice.

3.20 Working on vocal registers (minor)

Flute

Voice

Repeat 3 Times

Fl.

8

8

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Exploring Registers

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Directions:

Sing and play the etude three times. The first time, play the flute line as written. The second time, play the flute line an octave higher. The third time, play two octaves higher .

3.20.1 Exploring registers (minor)

Flute

Voice

Repeat 3 Times

Fl.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

3.21 Working on independence

The musical score is written in 3/4 time and the key of D major (one sharp). It consists of two systems. The first system has two staves: Flute and Voice. The Flute part starts with a quarter note D4, followed by quarter notes E4, F4, G4, A4, B4, C5, and a dotted quarter note D5. The Voice part starts with a half note D3, followed by quarter notes E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, and a dotted quarter note C5. The second system has two staves, both labeled 'Fl.'. The top staff has a measure rest of 9 measures, followed by quarter notes D4, E4, F4, G4, A4, B4, C5, and a dotted quarter note D5. The bottom staff has a measure rest of 9 measures, followed by quarter notes D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, and a dotted quarter note C5.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

3.21.1 Working on independence (permutation)

The musical score consists of two systems. The first system has two staves: 'Flute' and 'Voice'. Both are in G major (one sharp) and 3/4 time. The Flute part starts on G4 and ascends stepwise to G5. The Voice part starts on G3 and ascends stepwise to G4. The second system has two staves: 'Fl.' and another staff. Both start with a measure rest marked '9'. The Fl. part continues the ascent from G4 to G5. The second staff continues the ascent from G3 to G4. The key signature and time signature are consistent throughout.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

3.22 Working on independence (minor)

The musical score is written in 3/4 time and a minor key. It consists of four staves. The first two staves are for Flute and Voice. The Flute part starts with a treble clef, a key signature of two flats, and a 3/4 time signature. The melody begins on a middle C and moves stepwise up to a G-sharp, then descends. The Voice part starts with a treble clef, a key signature of two flats, and a 3/4 time signature. The melody begins on a G and moves stepwise up to a D-sharp, then descends. The last two staves are for Flute, starting at measure 9. The top staff has a treble clef, a key signature of two flats, and a 3/4 time signature. The melody begins on a G and moves stepwise up to a D-sharp, then descends. The bottom staff has a treble clef, a key signature of two flats, and a 3/4 time signature. The melody begins on a G and moves stepwise up to a D-sharp, then descends.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

3.22.1 Working on independence (permutation)

The musical score consists of two systems. The first system has two staves: 'Flute' (top) and 'Voice' (bottom). Both are in 3/4 time and B-flat major. The flute part starts with a quarter rest, followed by quarter notes G4, A4, Bb4, C5, D5, E5, F5, G5, A5, Bb5, C6, D6, E6, F6, G6, A6, Bb6, C7, D7, E7, F7, G7, A7, Bb7, C8, D8, E8, F8, G8, A8, Bb8, C9, D9, E9, F9, G9, A9, Bb9, C10, D10, E10, F10, G10, A10, Bb11, C12, D12, E12, F12, G12, A12, Bb13, C14, D14, E14, F14, G14, A14, Bb15, C16, D16, E16, F16, G16, A16, Bb17, C18, D18, E18, F18, G18, A18, Bb19, C20, D20, E20, F20, G20, A20, Bb21, C22, D22, E22, F22, G22, A22, Bb23, C24, D24, E24, F24, G24, A24, Bb25, C26, D26, E26, F26, G26, A26, Bb27, C28, D28, E28, F28, G28, A28, Bb29, C30, D30, E30, F30, G30, A30, Bb31, C32, D32, E32, F32, G32, A32, Bb33, C34, D34, E34, F34, G34, A34, Bb35, C36, D36, E36, F36, G36, A36, Bb37, C38, D38, E38, F38, G38, A38, Bb39, C40, D40, E40, F40, G40, A40, Bb41, C42, D42, E42, F42, G42, A42, Bb43, C44, D44, E44, F44, G44, A44, Bb45, C46, D46, E46, F46, G46, A46, Bb47, C48, D48, E48, F48, G48, A48, Bb49, C50, D50, E50, F50, G50, A50, Bb51, C52, D52, E52, F52, G52, A52, Bb53, C54, D54, E54, F54, G54, A54, Bb55, C56, D56, E56, F56, G56, A56, Bb57, C58, D58, E58, F58, G58, A58, Bb59, C60, D60, E60, F60, G60, A60, Bb61, C62, D62, E62, F62, G62, A62, Bb63, C64, D64, E64, F64, G64, A64, Bb65, C66, D66, E66, F66, G66, A66, Bb67, C68, D68, E68, F68, G68, A68, Bb69, C70, D70, E70, F70, G70, A70, Bb71, C72, D72, E72, F72, G72, A72, Bb73, C74, D74, E74, F74, G74, A74, Bb75, C76, D76, E76, F76, G76, A76, Bb77, C78, D78, E78, F78, G78, A78, Bb79, C80, D80, E80, F80, G80, A80, Bb81, C82, D82, E82, F82, G82, A82, Bb83, C84, D84, E84, F84, G84, A84, Bb85, C86, D86, E86, F86, G86, A86, Bb87, C88, D88, E88, F88, G88, A88, Bb89, C90, D90, E90, F90, G90, A90, Bb91, C92, D92, E92, F92, G92, A92, Bb93, C94, D94, E94, F94, G94, A94, Bb95, C96, D96, E96, F96, G96, A96, Bb97, C98, D98, E98, F98, G98, A98, Bb99, C100, D100, E100, F100, G100, A100, Bb101, C102, D102, E102, F102, G102, A102, Bb103, C104, D104, E104, F104, G104, A104, Bb105, C106, D106, E106, F106, G106, A106, Bb107, C108, D108, E108, F108, G108, A108, Bb109, C110, D110, E110, F110, G110, A110, Bb111, C112, D112, E112, F112, G112, A112, Bb113, C114, D114, E114, F114, G114, A114, Bb115, C116, D116, E116, F116, G116, A116, Bb117, C118, D118, E118, F118, G118, A118, Bb119, C120, D120, E120, F120, G120, A120, Bb121, C122, D122, E122, F122, G122, A122, Bb123, C124, D124, E124, F124, G124, A124, Bb125, C126, D126, E126, F126, G126, A126, Bb127, C128, D128, E128, F128, G128, A128, Bb129, C130, D130, E130, F130, G130, A130, Bb131, C132, D132, E132, F132, G132, A132, Bb133, C134, D134, E134, F134, G134, A134, Bb135, C136, D136, E136, F136, G136, A136, Bb137, C138, D138, E138, F138, G138, A138, Bb139, C140, D140, E140, F140, G140, A140, Bb141, C142, D142, E142, F142, G142, A142, Bb143, C144, D144, E144, F144, G144, A144, Bb145, C146, D146, E146, F146, G146, A146, Bb147, C148, D148, E148, F148, G148, A148, Bb149, C150, D150, E150, F150, G150, A150, Bb151, C152, D152, E152, F152, G152, A152, Bb153, C154, D154, E154, F154, G154, A154, Bb155, C156, D156, E156, F156, G156, A156, Bb157, C158, D158, E158, F158, G158, A158, Bb159, C160, D160, E160, F160, G160, A160, Bb161, C162, D162, E162, F162, G162, A162, Bb163, C164, D164, E164, F164, G164, A164, Bb165, C166, D166, E166, F166, G166, A166, Bb167, C168, D168, E168, F168, G168, A168, Bb169, C170, D170, E170, F170, G170, A170, Bb171, C172, D172, E172, F172, G172, A172, Bb173, C174, D174, E174, F174, G174, A174, Bb175, C176, D176, E176, F176, G176, A176, Bb177, C178, D178, E178, F178, G178, A178, Bb179, C180, D180, E180, F180, G180, A180, Bb181, C182, D182, E182, F182, G182, A182, Bb183, C184, D184, E184, F184, G184, A184, Bb185, C186, D186, E186, F186, G186, A186, Bb187, C188, D188, E188, F188, G188, A188, Bb189, C190, D190, E190, F190, G190, A190, Bb191, C192, D192, E192, F192, G192, A192, Bb193, C194, D194, E194, F194, G194, A194, Bb195, C196, D196, E196, F196, G196, A196, Bb197, C198, D198, E198, F198, G198, A198, Bb199, C200, D200, E200, F200, G200, A200, Bb201, C202, D202, E202, F202, G202, A202, Bb203, C204, D204, E204, F204, G204, A204, Bb205, C206, D206, E206, F206, G206, A206, Bb207, C208, D208, E208, F208, G208, A208, Bb209, C210, D210, E210, F210, G210, A210, Bb211, C212, D212, E212, F212, G212, A212, Bb213, C214, D214, E214, F214, G214, A214, Bb215, C216, D216, E216, F216, G216, A216, Bb217, C218, D218, E218, F218, G218, A218, Bb219, C220, D220, E220, F220, G220, A220, Bb221, C222, D222, E222, F222, G222, A222, Bb223, C224, D224, E224, F224, G224, A224, Bb225, C226, D226, E226, F226, G226, A226, Bb227, C228, D228, E228, F228, G228, A228, Bb229, C230, D230, E230, F230, G230, A230, Bb231, C232, D232, E232, F232, G232, A232, Bb233, C234, D234, E234, F234, G234, A234, Bb235, C236, D236, E236, F236, G236, A236, Bb237, C238, D238, E238, F238, G238, A238, Bb239, C240, D240, E240, F240, G240, A240, Bb241, C242, D242, E242, F242, G242, A242, Bb243, C244, D244, E244, F244, G244, A244, Bb245, C246, D246, E246, F246, G246, A246, Bb247, C248, D248, E248, F248, G248, A248, Bb249, C250, D250, E250, F250, G250, A250, Bb251, C252, D252, E252, F252, G252, A252, Bb253, C254, D254, E254, F254, G254, A254, Bb255, C256, D256, E256, F256, G256, A256, Bb257, C258, D258, E258, F258, G258, A258, Bb259, C260, D260, E260, F260, G260, A260, Bb261, C262, D262, E262, F262, G262, A262, Bb263, C264, D264, E264, F264, G264, A264, Bb265, C266, D266, E266, F266, G266, A266, Bb267, C268, D268, E268, F268, G268, A268, Bb269, C270, D270, E270, F270, G270, A270, Bb271, C272, D272, E272, F272, G272, A272, Bb273, C274, D274, E274, F274, G274, A274, Bb275, C276, D276, E276, F276, G276, A276, Bb277, C278, D278, E278, F278, G278, A278, Bb279, C280, D280, E280, F280, G280, A280, Bb281, C282, D282, E282, F282, G282, A282, Bb283, C284, D284, E284, F284, G284, A284, Bb285, C286, D286, E286, F286, G286, A286, Bb287, C288, D288, E288, F288, G288, A288, Bb289, C290, D290, E290, F290, G290, A290, Bb291, C292, D292, E292, F292, G292, A292, Bb293, C294, D294, E294, F294, G294, A294, Bb295, C296, D296, E296, F296, G296, A296, Bb297, C298, D298, E298, F298, G298, A298, Bb299, C300, D300, E300, F300, G300, A300, Bb301, C302, D302, E302, F302, G302, A302, Bb303, C304, D304, E304, F304, G304, A304, Bb305, C306, D306, E306, F306, G306, A306, Bb307, C308, D308, E308, F308, G308, A308, Bb309, C310, D310, E310, F310, G310, A310, Bb311, C312, D312, E312, F312, G312, A312, Bb313, C314, D314, E314, F314, G314, A314, Bb315, C316, D316, E316, F316, G316, A316, Bb317, C318, D318, E318, F318, G318, A318, Bb319, C320, D320, E320, F320, G320, A320, Bb321, C322, D322, E322, F322, G322, A322, Bb323, C324, D324, E324, F324, G324, A324, Bb325, C326, D326, E326, F326, G326, A326, Bb327, C328, D328, E328, F328, G328, A328, Bb329, C330, D330, E330, F330, G330, A330, Bb331, C332, D332, E332, F332, G332, A332, Bb333, C334, D334, E334, F334, G334, A334, Bb335, C336, D336, E336, F336, G336, A336, Bb337, C338, D338, E338, F338, G338, A338, Bb339, C340, D340, E340, F340, G340, A340, Bb341, C342, D342, E342, F342, G342, A342, Bb343, C344, D344, E344, F344, G344, A344, Bb345, C346, D346, E346, F346, G346, A346, Bb347, C348, D348, E348, F348, G348, A348, Bb349, C350, D350, E350, F350, G350, A350, Bb351, C352, D352, E352, F352, G352, A352, Bb353, C354, D354, E354, F354, G354, A354, Bb355, C356, D356, E356, F356, G356, A356, Bb357, C358, D358, E358, F358, G358, A358, Bb359, C360, D360, E360, F360, G360, A360, Bb361, C362, D362, E362, F362, G362, A362, Bb363, C364, D364, E364, F364, G364, A364, Bb365, C366, D366, E366, F366, G366, A366, Bb367, C368, D368, E368, F368, G368, A368, Bb369, C370, D370, E370, F370, G370, A370, Bb371, C372, D372, E372, F372, G372, A372, Bb373, C374, D374, E374, F374, G374, A374, Bb375, C376, D376, E376, F376, G376, A376, Bb377, C378, D378, E378, F378, G378, A378, Bb379, C380, D380, E380, F380, G380, A380, Bb381, C382, D382, E382, F382, G382, A382, Bb383, C384, D384, E384, F384, G384, A384, Bb385, C386, D386, E386, F386, G386, A386, Bb387, C388, D388, E388, F388, G388, A388, Bb389, C390, D390, E390, F390, G390, A390, Bb391, C392, D392, E392, F392, G392, A392, Bb393, C394, D394, E394, F394, G394, A394, Bb395, C396, D396, E396, F396, G396, A396, Bb397, C398, D398, E398, F398, G398, A398, Bb399, C400, D400, E400, F400, G400, A400, Bb401, C402, D402, E402, F402, G402, A402, Bb403, C404, D404, E404, F404, G404, A404, Bb405, C406, D406, E406, F406, G406, A406, Bb407, C408, D408, E408, F408, G408, A408, Bb409, C410, D410, E410, F410, G410, A410, Bb411, C412, D412, E412, F412, G412, A412, Bb413, C414, D414, E414, F414, G414, A414, Bb415, C416, D416, E416, F416, G416, A416, Bb417, C418, D418, E418, F418, G418, A418, Bb419, C420, D420, E420, F420, G420, A420, Bb421, C422, D422, E422, F422, G422, A422, Bb423, C424, D424, E424, F424, G424, A424, Bb425, C426, D426, E426, F426, G426, A426, Bb427, C428, D428, E428, F428, G428, A428, Bb429, C430, D430, E430, F430, G430, A430, Bb431, C432, D432, E432, F432, G432, A432, Bb433, C434, D434, E434, F434, G434, A434, Bb435, C436, D436, E436, F436, G436, A436, Bb437, C438, D438, E438, F438, G438, A438, Bb439, C440, D440, E440, F440, G440, A440, Bb441, C442, D442, E442, F442, G442, A442, Bb443, C444, D444, E444, F444, G444, A444, Bb445, C446, D446, E446, F446, G446, A446, Bb447, C448, D448, E448, F448, G448, A448, Bb449, C450, D450, E450, F450, G450, A450, Bb451, C452, D452, E452, F452, G452, A452, Bb453, C454, D454, E454, F454, G454, A454, Bb455, C456, D456, E456, F456, G456, A456, Bb457, C458, D458, E458, F458, G458, A458, Bb459, C460, D460, E460, F460, G460, A460, Bb461, C462, D462, E462, F462, G462, A462, Bb463, C464, D464, E464, F464, G464, A464, Bb465, C466, D466, E466, F466, G466, A466, Bb467, C468, D468, E468, F468, G468, A468, Bb469, C470, D470, E470, F470, G470, A470, Bb471, C472, D472, E472, F472, G472, A472, Bb473, C474, D474, E474, F474, G474, A474, Bb475, C476, D476, E476, F476, G476, A476, Bb477, C478, D478, E478, F478, G478, A478, Bb479, C480, D480, E480, F480, G480, A480, Bb481, C482, D482, E482, F482, G482, A482, Bb483, C484, D484, E484, F484, G484, A484, Bb485, C486, D486, E486, F486, G486, A486, Bb487, C488, D488, E488, F488, G488, A488, Bb489, C490, D490, E490, F490, G490, A490, Bb491, C492, D492, E492, F492, G492, A492, Bb493, C494, D494, E494, F494, G494, A494, Bb495, C496, D496, E496, F496, G496, A496, Bb497, C498, D498, E498, F498, G498, A498, Bb499, C500, D500, E500, F500, G500, A500, Bb501, C502, D502, E502, F502, G502, A502, Bb503, C504, D504, E504, F504, G504, A504, Bb505, C506, D506, E506, F506, G506, A506, Bb507, C508, D508, E508, F508, G508, A508, Bb509, C510, D510, E510, F510, G510, A510, Bb511, C512, D512, E512, F512, G512, A512, Bb513, C514, D514, E514, F514, G514, A514, Bb515, C516, D516, E516, F516, G516, A516, Bb517, C518, D518, E518, F518, G518, A518, Bb519, C520, D520, E520, F520, G520, A520, Bb521, C522, D522, E522, F522, G522, A522, Bb523, C524, D524, E524, F524, G524, A524, Bb525, C526, D526, E526, F526, G526, A526, Bb527, C528, D528, E528, F528, G528, A528, Bb529, C530, D530, E530, F530, G530, A530, Bb531, C532, D532, E532, F532, G532, A532, Bb533, C534, D534, E534, F534, G534, A534, Bb535, C536, D536, E536, F536, G536, A536, Bb537, C538, D538, E538, F538, G538, A538, Bb539, C540, D540, E540, F540, G540, A540, Bb541, C542, D542, E542, F542, G542, A542, Bb543, C544, D544, E544, F544, G544, A544, Bb545, C546, D546, E546, F546, G546, A546, Bb547, C548, D548, E548, F548, G548, A548, Bb549, C550, D550, E550, F550, G550, A550, Bb551, C552, D552, E552, F552, G552, A552, Bb553, C554, D554, E554, F554, G554, A554, Bb555, C556, D556, E556, F556, G556, A556, Bb557, C558, D558, E558, F558, G558, A558, Bb559, C560, D560, E560, F560, G560, A560, Bb561, C562, D562, E562, F562, G562, A562, Bb563, C564, D564, E564, F564, G564, A564, Bb565, C566, D566, E566, F566, G566, A566, Bb567, C568, D568, E568, F568, G568, A568, Bb569, C570, D570, E570, F570, G570, A570, Bb571, C572, D572, E572, F572, G572, A572, Bb573, C574, D574, E574, F574, G574, A574, Bb575, C576, D576, E576, F576, G576, A576, Bb577, C578, D578, E578, F578, G578, A578, Bb579, C580, D580, E580, F580, G580, A580, Bb581, C582, D582, E582, F582, G582, A582, Bb583, C584, D584, E584, F584, G584, A584, Bb585, C586, D586, E586, F586, G586, A586, Bb587, C588, D588, E588, F588, G588, A588, Bb589, C590, D590, E590, F590, G590, A590, Bb591, C592, D592, E592, F592, G592, A592, Bb593, C594, D594, E594, F594, G594, A594, Bb595, C596, D596, E596, F596, G596, A596, Bb597, C598, D598, E598, F598, G598, A598, Bb599, C600, D600, E600, F600, G600, A600, Bb601, C602, D602, E602, F602, G602, A602, Bb603, C604, D604, E604, F604, G604, A604, Bb605, C606, D606, E606, F606, G606, A606, Bb607, C608, D608, E608, F608, G608, A608, Bb609, C610, D610, E610, F610, G610, A610, Bb611, C612, D612, E612, F612, G612, A612, Bb613, C614, D614, E614, F614, G614, A614, Bb615, C616, D616, E616, F616, G616, A616, Bb617, C618, D618, E618, F618, G618, A618, Bb619, C620, D620, E620, F620, G620, A620, Bb621, C622, D622, E622, F622, G622, A622, Bb623, C624, D624, E624, F624, G624, A624, Bb625, C626, D626, E626, F626, G626, A626, Bb627, C628, D628, E628, F628, G628, A628, Bb629, C630, D630, E630, F630, G630, A630, Bb631, C632, D632, E632, F632, G632, A632, Bb633, C634, D634, E634, F634, G634, A634, Bb635, C636, D636, E636, F636, G636, A636, Bb637, C638, D638, E638, F638, G638, A638, Bb639, C640, D640, E640, F640, G640, A640, Bb641, C642, D642, E642, F642, G642, A642, Bb643, C644, D644, E644, F644, G644, A644, Bb645, C646, D646, E646, F646, G646, A646, Bb647, C648, D648, E648, F648, G648, A648, Bb649, C650, D650, E650, F650, G650, A650, Bb651, C652, D652, E652, F652, G652, A652, Bb653, C654, D654, E654, F654, G654, A654, Bb655, C656, D656, E656, F656, G656, A656, Bb657, C658, D658, E658, F658, G658, A658, Bb659, C660, D660, E660, F660, G660, A660, Bb661, C662, D662, E662, F662, G662, A662, Bb663, C664, D664, E664, F664, G664, A664, Bb665, C666, D666, E666, F666, G666, A666, Bb667, C668, D668, E668, F668, G668, A668, Bb669, C670, D670, E670, F670, G670, A670, Bb671, C672, D672, E672, F672, G672, A672, Bb673, C674, D674, E674, F674, G674, A674, Bb675, C676, D676, E676, F676, G676, A676, Bb677, C678, D678, E678, F678, G678, A678, Bb679, C680, D680, E680, F680, G680, A680, Bb681, C682, D682, E682, F682, G682, A682, Bb683, C684, D684, E684, F684, G684, A684, Bb685, C686, D686, E686, F686, G686, A686, Bb687, C688, D688, E688, F688, G688

Parallel Thirds on Major Scale

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the thirds as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

3.23 Parallel thirds

(♩ = 88-100)

The musical score consists of three systems. The first system is for Flute and Voice. The Flute part is in the treble clef, key of D major (one sharp), and 4/4 time. It plays a series of parallel thirds: D4 (quarter), E4 (quarter), F#4 (quarter), G4 (quarter), A4 (quarter), B4 (quarter), C5 (quarter), and D5 (quarter). The Voice part is in the same clef and key, playing the same notes but an octave lower: D3, E3, F#3, G3, A3, B3, C4, and D4. The second system is for Flute (Fl.), with two staves. Both staves play the same notes as the first system, but the upper staff starts with a fingering of 5 on the first note (D4).

JesusCastro©

Fourths Etude Warm Up

Jesús Castro Turriago

Sing as lower as you possibly can!

(♩ = 60)

Flute

Voice

Sing as lower as you possible can and breath whenever you need.

(♩ = 60)

Fl.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.1 Ascending unison/octaves by fourths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.1.1 Ascending unison/octaves by fourths (transposed)

(♩ = 88-100)

Flute

Fourths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.2 Descending unison/octaves by fourths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.2.1 Descending unison/octaves by thirds (transposed)

(♩ = 88-100)

Flute

Fl.

Fl.

Fl.

Fl.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.3 Contrary motion fourths

(♩ = 66-80)

The musical score is written in 4/4 time with a key signature of one sharp (F#). It consists of three systems of staves. The first system includes a Flute part (top staff) and a Voice part (bottom staff). The second system includes two Flute parts, labeled 'Fl.' and 'Fl.', with a '5' above the first staff. The music features contrary motion fourths, with the upper part ascending and the lower part descending. Shaded areas under the notes indicate the intervals. The piece concludes with a double bar line.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.3.1 Contrary Motion Thirds (Transposed)

(♩ = 66-80)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.4.1 Contrary Motion Fourths Transposed (Permutation)

(♩ = 66-80)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

Repeat singing the voice an 8va higher.

4.5 Melodic singing and playing

Flute

Voice

Fl.

JesusCastro©

Foruths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal

Sing it by using falsetto voice in the high register

Repeat singing it an 8va higher (as possible)

4.5.1 Melodic singing and playing

Flute

10 Fl.

19 Fl.

28 Fl.

37 Fl.

46 Fl.

55 Fl.

Fourths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

4.6 Melodic Singing and Playing (Permutation)

The musical score consists of two systems. The first system is for Flute and Voice. The Flute part is written in treble clef, key of D major (one sharp), and 3/4 time. It features a sequence of seven dotted half notes: D4, E4, F4, G4, A4, B4, and C5. The Voice part is also in treble clef, key of D major, and 3/4 time. It features a sequence of eighth notes: D4, E4, F4, G4, A4, B4, and C5. A dashed line labeled '8va' is positioned above the voice staff, indicating that the notes should be sung an octave higher. The second system is for Flute (Fl.). It consists of two staves. The top staff is in treble clef, key of D major, and 3/4 time, with a measure rest followed by a dotted half note D5. The bottom staff is also in treble clef, key of D major, and 3/4 time, with a measure rest followed by a dotted half note D4. A dashed line labeled '(8va)' is positioned between the two staves, indicating that the notes should be played an octave higher.

JesusCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.7 Ascending unison/octaves by fourths

(♩ = 88-100)

The musical score is written in 4/4 time with a key signature of one flat (B-flat major). The tempo is marked as quarter note = 88-100. The first system consists of two staves: Flute (top) and Voice (bottom). The Flute part starts on a high note (F5) and ascends by fourths: F5, Bb5, D6, F6, Ab6, C7, Eb7, G7, Bb7, D8, F8. The Voice part starts on a low note (F2) and ascends by fourths: F2, Bb2, D3, F3, Ab3, C4, Eb4, G4, Bb4, D5, F5. The second system consists of two Flute staves, each starting at measure 6. The top Flute staff starts on a high note (F5) and ascends by fourths: F5, Bb5, D6, F6, Ab6, C7, Eb7, G7, Bb7, D8, F8. The bottom Flute staff starts on a low note (F2) and ascends by fourths: F2, Bb2, D3, F3, Ab3, C4, Eb4, G4, Bb4, D5, F5.

JesusCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.7.1 Ascending unison/octaves by fourths (transposed)

(♩ = 88-100)

Flute

Fl. 9

Fl. 17

Fl. 25

Fl. 33

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.8 Descending unison/octaves by fourths

(♩ = 88-100)

Flute

Voice

Fl.

Voice

JesusCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.8.1 Descending unison/octaves (transposed)

(♩ = 88-100)

Flute

Fl.

Fl.

Fl.

Fl.

JesusCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.9 Contrary motion fourths

(♩ = 66-80)

The musical score is written in 4/4 time with a key signature of two flats (B-flat and E-flat). It consists of three systems of staves. The first system includes a Flute staff and a Voice staff. The second system includes two Flute staves, both starting with a '6' above the staff. The music features contrary motion between the voice and flute parts, with the voice moving in a descending line and the flute moving in an ascending line. The tempo is marked as quarter note = 66-80. The score concludes with a double bar line.

JesusCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.9.1 Contrary Motion fourths (Transposed)

(♩ = 66-80)

Flute

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.10 Contrary Motion Fourths (Permutation)

(♩ = 66-80)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

4.10.1 Contrary Motion Fourths Transposed (Permutation)

(♩ = 66-80)

Flute

Fl. 9

Fl. 17

Fl. 25

Fl. 33

JesúsCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

Repeat singing it an 8va higher.

4.11 Melodic singing and playing

The musical score consists of two systems. The first system is for Flute and Voice. The Flute part is written in treble clef with a key signature of two flats (Bb, Eb) and a 3/4 time signature. It features a melodic line with eighth and quarter notes, including a trill-like figure. The Voice part is written in treble clef with the same key signature and time signature, following the same melodic contour. The second system is for Flute (Fl.), showing two staves. The top staff continues the melodic line from the first system, and the bottom staff provides a harmonic accompaniment with quarter notes. Both staves in the second system begin with a '6' above the first measure, indicating a sixteenth-note rhythm.

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Fourths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the
Sing the etude an octave higher of your lowest vocal
Sing it by using falsetto voice in the high register
Repeat it singing it an 8va higher (as possibly)

4.11.1 Melodic singing and playing

Flute

10

19

28

37

46

55

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

4.12 Melodic Singing and Playing (Permutation)

The musical score consists of three systems. The first system is for Flute and Voice. The Flute part is written in treble clef, key of B-flat major (two flats), and 3/4 time. It features a sequence of eighth notes: B-flat, A, G, F, E, D, C, B-flat. The Voice part is written in treble clef, key of B-flat major, and 3/4 time. It features a sequence of eighth notes: B, A, G, F, E, D, C, B. A dashed line labeled '8va' is positioned above the voice staff, indicating that the voice should be sung an octave higher than written. The second system is for Flute (Fl.). It shows two staves. The top staff is in treble clef, key of B-flat major, and 3/4 time, with a measure rest followed by a dotted quarter note on B-flat. The bottom staff is in treble clef, key of B-flat major, and 3/4 time, with a measure rest followed by a dotted quarter note on B. A dashed line labeled '(8va)' is positioned between the two staves, indicating that the bottom staff is an octave higher than written.

JesusCastro©

Fourths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal

Sing it by using falsetto voice in the high registering falsetto.

4.12.1 Melodic Singing and Playing Transposed (Permutation)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

Exploring Vocal Registers

Jesús Castro Turriago

Directions:

Sing and play the etude three times. The first time, sing the voice line in your lowest vocal range. The second time, sing the voice line an octave higher from your lowest vocal range. Make sure to sing it the repetition by using falsetto voice.

4.13 Working on vocal registers

The musical score consists of two staves. The top staff is for Flute and the bottom staff is for Voice. Both are in the key of D major (one sharp) and 3/4 time. The Flute part begins with a half note D4, followed by quarter notes E4, F#4, G4, A4, B4, C5, B4, A4, G4, F#4, E4, and a final half note D4. A slur covers the first two notes. The Voice part begins with a half note D3, followed by quarter notes E3, F#3, G3, A3, B3, C4, B3, A3, G3, F#3, E3, and a final half note D3. A double bar line with repeat dots is at the end of each staff.

JesusCastro©

Exploring Registers

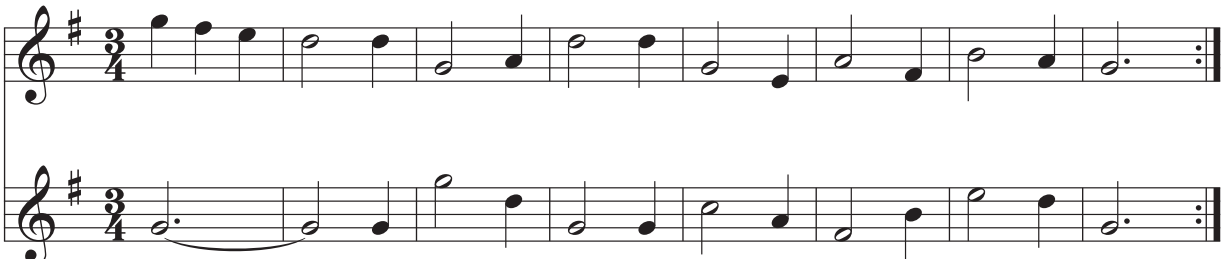
Jesús Castro Turriago

Directions:

Sing and play the etude three times. The first time, play the flute line as written. The second time, play the flute line an octave higher. The third time, play two octaves higher .

4.14 Melodic singing and playing

Flute



Voice

The image shows two staves of musical notation. The top staff is labeled 'Flute' and the bottom staff is labeled 'Voice'. Both staves are in treble clef with a key signature of one sharp (F#) and a time signature of 3/4. The melody consists of a sequence of notes: G4 (quarter), A4 (quarter), B4 (quarter), C5 (half), B4 (quarter), A4 (quarter), G4 (quarter), F#4 (quarter), E4 (quarter), D4 (quarter), C4 (half). The voice part follows the same melody but starts with a whole note G4 on the first measure, followed by the same sequence of notes as the flute part.

Repeat 3 Times

JesusCastro©

Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

4.15 Working on independence

The musical score is written in 3/4 time with a key signature of one sharp (F#). It consists of three systems of staves. The first system has two staves: Flute and Voice. The second system has two staves: Flute (labeled 'Fl.') and Voice. The third system has two staves: Flute and Voice. The Flute part features a melodic line with eighth and quarter notes, including some accidentals (sharps). The Voice part features a similar melodic line, primarily using whole and half notes. The score ends with a double bar line.

JesusCastro©

Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

4.16 Working on independence (permutation)

Flute

Voice

Fl.

Fl.

JesusCastro©

Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

4.17 Working on independence (minor)

The musical score is written in 3/4 time with a key signature of two flats (B-flat and E-flat). It consists of three systems of staves. The first system includes a Flute staff and a Voice staff. The second system includes two Flute staves, both starting with a measure rest of 9 measures. The notes in the score are as follows:

Staff	Measure 1	Measure 2	Measure 3	Measure 4	Measure 5	Measure 6	Measure 7	Measure 8	Measure 9
Flute (System 1)	G4	A4	Bb4	C5	Bb4	A4	G4	F4	E4
Voice (System 1)	G3	A3	Bb3	C4	Bb3	A3	G3	F3	E3
Fl. (System 2)	G4	A4	Bb4	C5	Bb4	A4	G4	F4	E4
Fl. (System 2)	G3	A3	Bb3	C4	Bb3	A3	G3	F3	E3

JesusCastro©

Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

4.18 Working on independence (permutation)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fourths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fourths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

4.19 Parallel fourths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fifths Etude - Warm Up

Jesús Castro Turriago

Sing as lower as you possibly can!

(♩ = 92)

Flute

Voice

8

Fl.

8

Sing as lower as you possible can and breath whenever you need.

(♩ = 92)

8^{va}-----

15

Fl.

15

Fl.

22

Fl.

22

JesusCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fifths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

5.1 Ascending unison/octaves by fifths

(♩ = 88-100)

Flute

Voice

Fl.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

5.1.1 Ascending unison/octaves by fifths (transposed)

(♩ = 88-100)

Flute

9

17

25

33

41

49

JesúsCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fifths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

5.2 Descending unison/octaves by fifths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

5.2.1 Descending unison/octaves by fifths (transposed)

(♩ = 88-100)

Flute

9

Fl.

17

Fl.

25

Fl.

33

Fl.

41

Fl.

49

Fl.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fifths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

5.3 Contrary motion fifths

(♩ = 66-80)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

5.3.1 Contrary Motion Fifths (Transposed)

(♩ = 66-80)

Flute

9

Fl.

17

Fl.

25

Fl.

33

Fl.

JesúsCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fifths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

5.4 Contrary Motion Fifths (Permutation)

(♩ = 66-80)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

5.4.1 Contrary Motion Fifths Transposed (Permutation)

(♩ = 66-80)

Flute

Fl. 9

Fl. 17

Fl. 25

Fl. 33

JesúsCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

5.5 Melodic singing and playing

Flute

8^{va}

Voice

6

Fl.

6 (8^{va})

JesusCastro©

Fifths Etude

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal

Sing it by using falsetto voice in the high register

5.5.1 Melodic singing and playing

The musical score consists of seven staves, each labeled 'Fl.' on the left. Each staff contains two lines of music: an upper line for the flute and a lower line for the voice. The music is written in 3/4 time and features a series of half notes and quarter notes, often beamed together. The key signature changes throughout the piece, starting with three flats and ending with one sharp. The score includes measure numbers 12, 23, 34, 45, 56, and 67. The piece concludes with a double bar line and repeat dots.

JesúsCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing the etude an octave higher of your lowest vocal register.

Sing it by using falsetto voice in the high register.

5.6 Melodic Singing and Playing (Permutation)

The musical score consists of two systems. The first system has two staves: 'Flute' and 'Voice'. Both are in G major (one sharp) and 3/4 time. The Flute staff contains a sequence of seven dotted half notes: G4, A4, B4, C5, B4, A4, G4. The Voice staff contains a sequence of eighth notes: G3, A3, B3, C4, B3, A3, G3. A dashed line labeled '8va' connects the G4 in the Flute staff to the G3 in the Voice staff, indicating an octave transposition. The second system also has two staves: 'Fl.' and another staff. Both are in G major and 3/4 time. The top staff (labeled 'Fl.') contains a sequence of eighth notes: G4, A4, B4, C5, B4, A4, G4. The bottom staff contains a sequence of eighth notes: G3, A3, B3, C4, B3, A3, G3. A dashed line labeled '(8va)' connects the G4 in the top staff to the G3 in the bottom staff, indicating an octave transposition.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing the etude an octave higher of your lowest vocal register

Sing it by using falsetto voice in the high registering falsetto.

5.6.1 Melodic Singing and Playing Transposed (Permutation)

Flute

Fl. 12

Fl. 23

Fl. 34

Fl. 45

Fl. 56

Fl. 67

JesúsCastro©

Exploring Vocal Registers

Jesús Castro Turriago

Directions:

The last G note on the voice line should be the lowest G note that you could.
Make sure to use falsetto voice when needed.

5.7 Working on vocal registers

Flute

Voice

JesusCastro©

Exploring Registers

Jesús Castro Turriago

Directions:

Sing and play the etude three times. The first time, sing the voice line in your lowest vocal range. Every repetition should be sung an octave higher compared to the last one sung. Make sure to use falsetto voice when needed.

5.8 Working on registers

Flute

Voice

JesusCastro©

Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

5.9 Working on independence

Flute

Voice

Fl.

Fl.

JesusCastro©

Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

5.10 Working on independence (permutation)

Flute

Voice

Fl.

Fl.

JesusCastro©

Fifths Etude

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the fifths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

5.11 Parallel fifths

(♩ = 88-100)

The musical score consists of three systems of staves. The first system has two staves: 'Flute' (top) and 'Voice' (bottom). The second system has two staves, both labeled 'Fl.' (Flute). The music is in 4/4 time with a key signature of one sharp (F#). The notes in the Flute part are: G4, A4, B4, C#5, D5, E5, F#5, G5. The notes in the Voice part are: G3, A3, B3, C4, D4, E4, F#4, G4. The notes in the first Fl. staff are: G5, A5, B5, C#6, D6, E6, F#6, G6. The notes in the second Fl. staff are: G5, A5, B5, C#6, D6, E6, F#6, G6. The tempo is marked as quarter note = 88-100.

JesusCastro©

Sixths Etude Warm Up

Jesús Castro Turriago

Sing as lower as you possibly can!

(♩ = 60)

Flute

Voice

Sing as lower as you possible can and breath whenever you need.

(♩ = 60)

Fl.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.1 Ascending unison/octaves by Sixths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.1.1 Ascending unison/octaves by Sixths (transposed)

(♩ = 88-100)

Flute

8

Fl.

15

Fl.

22

Fl.

29

Fl.

36

Fl.

43

Fl.

JesúsCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.2 Descending unison/octaves by sixths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.2.1 Descending unison/octaves by Sixths (transposed)

(♩ = 88-100)

The musical score consists of seven staves, each labeled 'Fl.' on the left. The first staff is labeled 'Flute' and the subsequent six are labeled 'Fl.'. Each staff contains a pair of musical lines: an upper line and a lower line. The upper line is written in treble clef and the lower line is written in bass clef. The music is in 4/4 time and features a descending unison/octaves pattern by sixths. The tempo is marked as (♩ = 88-100). The key signature changes from one flat to two flats, then to two sharps, and finally to one flat. The score includes measure numbers 8, 15, 22, 29, 36, and 43. The piece concludes with a double bar line and repeat signs.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.3 Contrary Motion Sixths

(♩ = 66-80)

The musical score is written in 4/4 time with a key signature of one sharp (F#). It consists of three systems of staves. The first system includes a Flute part (top staff) and a Voice part (middle staff). The Flute part plays a series of sixths, starting on G4 and ascending chromatically to G5. The Voice part plays a series of sixths, starting on G3 and ascending chromatically to G4. The second system includes two Flute parts (top and bottom staves). Both Flute parts play a series of sixths, starting on G4 and ascending chromatically to G5. The tempo is marked as (♩ = 66-80).

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.3.1 Contrary Motion Sixths (Transposed)

(♩ = 66-80)

Flute

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.4 Contrary Motion Thirds (Permutation)

(♩ = 66-80)

Flute

Voice

Fl.

Fl.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.4.1 Contrary Motion Sixths Transposed (Permutation)

(♩ = 66-80)

Flute

8

Fl.

15

Fl.

22

Fl.

29

Fl.

JesúsCastro©

Sixths Etude

Jesús Castro Turriago

Directions:

Sing it by using falsetto voice in the high register.

6.5 Melodic singing and playing

Flute

Voice

6

Fl.

6

11

Fl.

11

JesusCastro©

Sixths Etude

Jesús Castro Turriago

Directions:

Sing it by using falsetto voice in the high register.

6.6 Melodic Singing and Playing (Permutation)

The musical score is set in 4/4 time and consists of three systems. The first system includes a Flute part and a Voice part. The second system includes two Flute parts, both starting at measure 6. The third system includes two Flute parts, both starting at measure 11. The Flute parts feature melodic lines with slurs and ties, while the Voice part consists of a single melodic line. The key signature is one flat (B-flat major/D minor).

JesusCastro©

Sixths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.7 Ascending unison/octaves by sixths on minor harmonic scales

(♩ = 88-100)

The musical score is written for Flute and Voice. It is in 4/4 time and the key signature has two flats (B-flat major). The tempo is marked as quarter note = 88-100. The score consists of four staves. The top staff is for Flute, the second staff is for Voice, the third staff is for Flute, and the bottom staff is for Flute. The music features ascending eighth notes with sixths above them, and a final measure with a whole note and a fermata.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.7.1 Ascending unison/octaves by Sixths (transposed)

(♩ = 88-100)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.8 Descending unison/octaves by sixths

(♩ = 88-100)

Flute

Voice

Fl.

5

5

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.8.1 Descending unison/octaves by Sixths (transposed)

(♩ = 88-100)

The musical score consists of seven staves, each representing a different transposition of the exercise. Each staff is labeled 'Fl.' on the left. The first staff is labeled 'Flute' and includes a 4/4 time signature. The tempo is marked as quarter note = 88-100. The exercise is a descending unison/octaves by sixths, meaning the upper voice (flute) and lower voice (voice) move in parallel motion, with the upper voice always a sixth above the lower voice. The keys shown are: 1. B-flat major (two flats), 2. A-flat major (three flats), 3. G-flat major (three flats), 4. F major (one flat), 5. E-flat major (three flats), 6. D-flat major (three flats), 7. C major (no sharps or flats). Each staff contains 16 measures of music, with measure numbers 8, 15, 22, 29, 36, and 43 indicated at the beginning of their respective staves. The exercise concludes with a double bar line and repeat signs.

JesusCastro©

Sixths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.9 Contrary Motion Sixths

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Sixths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.9.1 Contrary Motion Sixths (Transposed)

(♩ = 66-80)

Flute

Fl.

Fl.

Fl.

Fl.

Fl.

Fl.

JesúsCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.10 Contrary Motion Sixths (Permutation)

(♩ = 88-100)

Flute

Voice

Fl.

Fl.

JesusCastro©

Sixths Etude Based on Major Scales

Jesús Castro Turriago

The upper line is the flute and the lower line is the voice

6.10.1 Contrary Motion Sixths Transposed (Permutation)

(♩ = 88-100)

Flute

Fl. 8

Fl. 15

Fl. 22

Fl. 29

Fl. 36

Fl. 43

JesúsCastro©

Sixths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing it by using falsetto voice in the high register.

6.11 Melodic singing and playing

The musical score is written in 3/4 time and B-flat major. It consists of three systems. The first system has two staves: Flute and Voice. The Flute part starts with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes are: G4 (quarter), A4 (quarter), Bb4 (quarter), C5 (quarter), D5 (quarter), Eb5 (quarter), F5 (quarter), G5 (quarter). The Voice part starts with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes are: G4 (quarter), A4 (quarter), Bb4 (quarter), C5 (quarter), D5 (quarter), Eb5 (quarter), F5 (quarter), G5 (quarter). The second system has two staves: Fl. (Flute) and another Fl. (Flute). Both staves start with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes are: G4 (quarter), A4 (quarter), Bb4 (quarter), C5 (quarter), D5 (quarter), Eb5 (quarter), F5 (quarter), G5 (quarter). The third system has two staves: Fl. (Flute) and another Fl. (Flute). Both staves start with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes are: G4 (quarter), A4 (quarter), Bb4 (quarter), C5 (quarter), D5 (quarter), Eb5 (quarter), F5 (quarter), G5 (quarter).

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Sixths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing it by using falsetto voice in the high register

6.11.1 Melodic singing and playing

Flute

Fl. 11

Fl. 21

Fl. 31

Sixths Etude Based on Minor Scales

Jesús Castro Turriago

Directions:

Sing it by using falsetto voice in the high register.

6.12 Melodic Singing and Playing (Permutation)

The musical score is written for Flute and Voice. It consists of two systems. The first system shows the initial melodic lines for both parts. The second system shows the continuation of the melody, with a measure number '6' at the start of each line. The key signature is one flat (B-flat) and the time signature is 3/4. The melody is based on a minor scale.

JesusCastro©

Sixths Etude Based on Minor Scales

Jesús Castro Turriago

The upper line is the flute and the lower line the voice

Sing it by using falsetto voice in the high registering falsetto.

6.12.1 Melodic Singing and Playing Transposed (Permutation)

Flute

Fl. 11

Fl. 21

Fl. 31

Fl. 41

Exploring Vocal Registers

Jesús Castro Turriago

Directions:

The first time, sing the voice line in your lowest vocal range. The second time, sing the voice line an octave higher from your lowest vocal range. Make sure to sing it with falsetto voice when needed.

6.13 Working on vocal registers

Flute

Voice

Fl.

Voice

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Exploring Registers

Jesús Castro Turriago

Directions:

The first time, play the flute line as written. The second time, play the flute line an octave higher.

6.13.1 Melodic singing and playing

The musical score consists of two systems. The first system features two staves: 'Flute' and 'Voice'. Both are in treble clef, key of D major (one sharp), and 3/4 time. The melody is: D4 (quarter), E4 (quarter), F#4 (quarter), G4 (quarter), A4 (quarter), B4 (quarter), C5 (quarter), B4 (quarter), A4 (quarter), G4 (quarter), F#4 (quarter), E4 (quarter), D4 (quarter). The second system features two staves, both labeled 'Fl.' and marked with an '8' above the staff, indicating an octave shift. The melody is identical to the first system but transposed up an octave.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

6.14 Working on independence

The musical score is written in 3/4 time with a key signature of one sharp (F#). It consists of two systems. The first system has a Flute part and a Voice part. The second system has two Flute parts. The music is a series of eighth notes and quarter notes, with some notes beamed together.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

6.14.1 Working on independence (permutation)

Flute



Voice

Detailed description: This block contains the first seven measures of a musical exercise. It features two staves: a Flute staff and a Voice staff. Both are in the key of D major (one sharp) and 3/4 time. The melody consists of a sequence of notes: D4 (quarter), E4 (quarter), F#4 (quarter), G4 (quarter), A4 (quarter), B4 (quarter), C5 (quarter), D5 (quarter), E5 (quarter), F#5 (quarter), G5 (quarter), A5 (quarter), B5 (quarter), C6 (quarter), D6 (quarter). The notes are written as quarter notes in the flute part and half notes in the voice part.

Fl.



Detailed description: This block contains the next seven measures of the exercise, labeled as measures 8 through 14. It features two staves, both labeled 'Fl.' (Flute). Both are in the key of D major and 3/4 time. The melody continues from the previous section: D5 (quarter), E5 (quarter), F#5 (quarter), G5 (quarter), A5 (quarter), B5 (quarter), C6 (quarter), D6 (quarter), E6 (quarter), F#6 (quarter), G6 (quarter), A6 (quarter), B6 (quarter), C7 (quarter), D7 (quarter). The notes are written as quarter notes.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

6.15 Working on independence

The musical score is written in 3/4 time and B-flat major. It consists of two systems. The first system has two staves: Flute and Voice. The Flute part starts with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes are: G4 (quarter), A4 (quarter), Bb4 (quarter), C5 (quarter), D5 (quarter), E5 (quarter), F5 (quarter), G5 (quarter). The Voice part starts with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes are: G4 (quarter), A4 (quarter), Bb4 (quarter), C5 (quarter), D5 (quarter), E5 (quarter), F5 (quarter), G5 (quarter). The second system has two staves: Fl. (Flute) and another Fl. (Flute). Both staves start with a treble clef, a key signature of two flats, and a 3/4 time signature. The notes for the top Fl. staff are: G5 (quarter), A5 (quarter), Bb5 (quarter), C6 (quarter), D6 (quarter), E6 (quarter), F6 (quarter), G6 (quarter). The notes for the bottom Fl. staff are: G5 (quarter), A5 (quarter), Bb5 (quarter), C6 (quarter), D6 (quarter), E6 (quarter), F6 (quarter), G6 (quarter). The score ends with a double bar line.

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Developing Independence

Jesús Castro Turriago

Directions:

Focus on pitch and the stability of your air stream column.

Sing in your lowest vocal register.

6.15.1 Working on independence

The musical score is written in 3/4 time with a key signature of one flat (Bb). It consists of four staves. The first two staves are for Flute and Voice. The Flute part starts with a treble clef and a key signature of one flat. The Voice part starts with a treble clef and a key signature of one flat. The third and fourth staves are for Flute, with a '7' above the first staff indicating a fingering change. The music features a series of notes and rests, with some notes marked with a sharp sign (#).

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Parallel Sixths on Major Scale

Jesús Castro Turriago

Directions:

Sing as low as you can, according to your vocal range, and play the sixths as high as you can according to your flute register. It is fine if you decide to change octaves of some notes on the voice or flute part, according to your domain of the vocal or flute range.

Once the exercise is consciously dominated, transpose it chromatically ascending as high as your vocal register allows you. Try not to exceed an interval of perfect fifth when transposing it; and remember, feel free to change octaves (low) of some notes on the voice or flute part.

When singing in a medium-high or high vocal register, explore singing with falsetto voice by lifting or opening your soft palate as much as you can.

6.16 Parallel sixths

(♩ = 88-100)

Flute

Voice

Fl.

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ISBN (Digital): 978-628-7656-21-5

