CREATING THE FOUNDATIONS OF ACOMPREHENSIVE JUNIOR CONCERT BAND PROGRAM
by
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## ABSTRACT

The Curriculum Development Branch of the Ministry of Education of the Province of British Columbia issued Secondary Music (8-12) A Curriculum/Resource Guide during the 1980-81 academic year. The Guide contains the learning outcomes and content for band with sample outlines and units intended to guide band instruction through the introductory, intermediate and senior levels. Specific, sequential and comprehensive lesson plans, exercises and examinations designed to accomplish and evaluate each of the learning outcomes and content are not provided. The Guide has not created consistent standards throughout the province. My observations of numerous classroom situations and discussions of the problem with my collegues and supervisor lead me to speculate that an inadequate or incomplete distribution of resource materials made band directors unwilling or unprepared to supplement the Guide. A review of the literature showed that many books pertaining to the stated learning outcomes and content of the Guide exist however the information has not been compiled and organized into complete, self-contained lesson plans, exercises and examinations.

After ten months of research, I had gathered thousands of pages of material relevant to each of the stated band skills and objectives in the Guide. I recognized that the dimensions were beyond my immediate resources so I contained my planning to the first three
learning outcomes (technical competency, articulation and theory) and further reduced the scope by limiting instruction to the first three years (8-10).

Preliminary and revised instructional materials and evaluation devices contained in this thesis were prepared based on the long-term learning outcomes of the Guide and the medium- and short-term learning outcomes from various sources in the literature. The process of developing the foundations of a comprehensive junior concert band program involves teaching students how to read and understand music (chapter 1), how to recognize and perform melodic and rhythmic patterns (chapters 2-3), and how to develop musicianship by correctly applying articulation and dynamic techniques to the scales and drills that are the rudiments of performance (chapters 4-5).

The Guide has outlined the goals of a Secondary Band Program. This thesis provides possible methods for the accomplishment and evaluation of selected goals within the program. Subsequent coverage of the goals could provide a textbook for band instruction throughout the province which would permit students to move from district to district and be as prepared musically as they are academically.

John Alexander Balanuik August, 1984

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## Chapter 1

## MUSIC THEORY

Introduction to the Problem
The Curriculum Development Branch of the Ministry of Education of the Province of British Columbia issued Secondary Music (8-12) A Curriculum/Resource Guide in $1980 .^{1}$ This book "addresses itself to human growth and development. Historical components are combined with the technological advances of today's society so that students become musically literate, technically competent and aesthetically responsive. ${ }^{2}$ The Guide contains the learning outcomes and content for band with sample outlines and units intended to guide band instruction through the introductory, intermediate and senior levels. Specific, sequential and comprehensive lesson plans, exercises and examinations designed to accomplish and evaluate each of the learning outcomes and content are not provided. The Guide is intended to be supplemented by music teachers. This thesis, "Creating the Foundations of a Comprehensive Junior Concert Band Program", will examine possible ways of achieving the learning outcomes and content of technical competency, articulation and theory as defined by the Ministry of Education.

I define "Junior Concert Band" as band in grades 8-10 and describe grades 6-7 theory and recorder classes as "Pre-Band". The learning outcomes the students should be able to demonstrate after
successful completion of Pre-Band and Junior Concert Band are: ${ }^{3}$

## Technical Competency

The student should be able to demonstrate competency through the ranges of a band instrument.

> -refinement of embouchure -accurate intonation
> -major, minor and chromatic scales in varying tempi and articulation patterns
> -arpeggios
> -breath control through diaphragmatic breathing
> -refinement of tone quality

Articulation
The student should be able to demonstrate and apply articulation and dynamic techniques.
-legato, staccato and tenuto tonguing
-lip flexibility
-attack
-release
-accents

## Theory

The student should be able to understand the symbols and technical terms of music and display competency in their application.
-dynamics
-tempo indications
-accidentals and enharmonic tones
-syncopation
-phrasing
-balance
-simple, compound and irregular metres -modes
-interval study in varying applications both vocally and with the instrument

The medium-term learning outcomes the student should be able to demonstrate after successful completion of Pre-band and one year of Junior Concert Band are as follows. 4

## Individual Skills

While playing all major scales in whole notes ( $0=96$ ), the student should be able to perform the following skills.

1. Demonstrate the correct embouchure for his instrument.
2. Show the correct hand and finger position for his instrument.
3. Maintain the following posture: student seated on the front six inches of the chair, feet flat on the floor, back straight, head upright and arms relaxed and away from the body.
4. Demonstrate abdominal breathing.
5. Produce a tone with the proper attack.
6. Produce a good tone.
7. Correctly finger $90 \%$ of the notes introduced during the first year (of Junior Concert Band).
8. Perform the above scales from memory with only one missed note per scale.

## Discriminating Skills

1. Label the different note values introduced during the first year (of Junior Concert Band) with 90\% accuracy.
2. Write the note and rest values introduced during the first year (of Junior Concert Band) with $90 \%$ accuracy.
3. Clap five rhythms selected from the method book (or the rhythmic exercises) with $90 \%$ accuracy.
4. Perform in $4 / 4,2 / 4,3 / 4$ and $\phi$ meters.
5. Recognize if a pitch is louder or softer than a given pitch in nine out of ten pitches.
6. Tell if a pitch is higher or lower than a given pitch in nine out of ten pitches.
7. Differentiate between a major and minor chord given aurally in seven out of ten chords.
8. Write intervals from unison to octave with $90 \%$ accuracy.
9. Write the letter names for all notes in the treble clef with

80\% accuracy.
10. Write the key signature for all major keys with $90 \%$ accuracy.
11. Take rhythmic dictation of five exercises selected from the method book with 85\% accuracy.
12. Differentiate between a good tone and a bad tone when played by the director or a student in eight out of ten tones.
13. All exercises in theory of music level 1.

Interpretive Skills

1. Indicate the phrases in five exercises selected from the method book with $90 \%$ accuracy.
2. Indicate the high point in a phrase in five selected exercises with 90\% accuracy.
3. Define the music terminology used in the method book with 90\% accuracy.
4. Demonstrate normal tonguing and slurring in performing five selected exercises from the method book with $90 \%$ accuracy.
5. Demonstrate correct phrasing in performing five exercises selected from the method book with $90 \%$ accuracy.
6. Demonstrate correct concert procedure during the performance of one piece of music selected from the method book.

## Humanistic Skills

1. Indicate personal responsibility through adequate individual practice of at least thirty minutes a day.
2. Show acceptable behavior in class as determined by the director and the class.
3. Demonstrate the ability to function in a group as determined
by the director.
4. Show responsibility towards the group by attending all performances.
5. Give constructive criticism in a positive manner as determined by the director.
6. Accept constructive criticism as determined by the director.

The medium-term learning outcomes the student should be able to demonstrate after successful completion of Pre-band and two years of Junior Concert Band are as follows. 5

Individual Skills

1. Correctly finger the notes in the standard range of his instrument with 90\% accuracy.
2. Tell if nine out of ten given pitches are in tune with another pitch.
3. Play in tune during the performance of music played during the last month of school.
4. Play all major scales in quarter notes $(J=96)$ one octave, from memory with only one missed note per scale.
5. Play all harmonic and melodic minor scales in whole notes $(J=96)$ one octave with only one missed note per scale.
6. Play all chromatic scales in quarter notes $(d=96)$ one octave, from memory with only two missed notes per scale.
7. Produce a tone with a proper attack and release on the major, minor and chromatic scales.

Group Skills

1. Blend within a homogeneous section of instruments during the performance of a concert piece.
2. Balance within a homogeneous section of instruments during the performance of a concert piece.
3. Blend within a heterogeneous section of instruments during the performance of a concert piece.
4. Balance within a heterogeneous section of instruments during the performance of a concert piece.

## Discriminating Skills

1. Write the following note and rest values with $90 \%$ accuracy: whole, half, quarter, eighth, sixteenth and thirty-second.
2. Clap five rhythms from the concert literature with 75\% accuracy.
3. Demonstrate the ability to play in the following meters: $4 / 4,2 / 4, \phi, 3 / 4,6 / 8$ and $3 / 8$.
4. Differentiate between a major and minor chord in nine out of ten chords.
5. Write intervals and quality from unison to octave with $60 \%$ accuracy.
6. Write all the notes in the clef of his instrument with $90 \%$ accuracy.
7. Write the key signatures for all major and minor keys with 80\% accuracy.
8. Correctly transpose from concert pitch to written pitch for his instrument eight out of ten pitches.
9. All exercises in theory of music level 2.

## Interpretive Skills

1. Define the terminology presented during the year with $90 \%$ accuracy.
2. Perform one piece of concert music following the musical instructions precisely.
3. Demonstrate regular attack, legato attack, staccato attack and slurring as indicated in one piece of concert music.
4. Demonstrate correct concert procedure during the performance of a concert piece.
5. Prepare a written evaluation of a taped performance of himself.

## Humanistic Skills

1. Develop a positive attitude toward the group as determined by the director.
2. Express ideas to the group in class discussion.
3. Express opinions to the group in class discussion.

The medium-term learning outcomes the student should be able to demonstrate after successful completion of Pre-band and three years of Junior Concert Band are as follows. ${ }^{6}$

## Individual Skills

1. Produce a tone with proper attack while performing all major scales from memory, two octaves where possible, in quarter notes ( $\delta=120$ ), with only one missed note per scale.
2. Produce a tone with proper attack while performing all minor scales, harmonic and melodic, from memory, two octaves where
possible in quarter notes $(\delta=96)$, with only one missed note per scale.
3. Play all chromatic scales in quarter notes $(d=96)$, from memory, two octaves where possible, with only one missed note per scale. Discriminating Skills
4. Clap five selected rhythms with $90 \%$ accuracy.
5. Write intervals and quality from unison to octave with $90 \%$ accuracy.
6. Write the key signatures of all major and minor scales with $90 \%$ accuracy.
7. Write all simple and compound time signatures with $80 \%$ accuracy.

## Interpretive Skills

1. Define the terminology presented during the year with $90 \%$ accuracy.
2. Perform a melodic line from a selected concert piece following dynamic changes.
3. Label the following forms correctly in eight out of ten recordings: $A B A$, theme and variations, strophic and concert march.
4. Write a brief history of the music performed during the year.

## Humanistic Skills

1. Discuss music with proper terminology developed through class discussions.
2. Demonstrate an awareness of past achievements in music through written and oral presentations.

The short-term learning outcomes the students should be able to
demonstrate after successful completion of a lesson are contained throughout chapters 1-5 and the appendices.

Preliminary and revised instructional materials and evaluation devices contained in this thesis were prepared based on the long-term learning outcomes of the Guide and the medium- and short-term learning outcomes from various sources in the literature. The process of developing the foundations of a comprehensive junior concert band program involves teaching students how to read and understand music (chapter 1), how to recognize and perform melodic and rhythmic patterns (chapters 2-3), and how to develop musicianship by correctly applying articulation and dynamic techniques to the scales and drills that are the rudiments of performance (chapters 4-5).

## Lesson 1

The purpose of this lesson is to introduce the rudiments of music and to establish a foundation on which further learning and understanding of how music is created can be built.

Music is written on, between, above, or below five parallel lines known as a staff or stave.

Example 1


Each line and space has a position name.

Example 2

|  | Fifth line |
| :--- | :--- |
| Fourth space | Fourth line |
| Third space | Third space |
| Second space | Second line |
| First space | First line |

The note names in music are A, B, C, D, E, F, and G. These note names represent the seven natural tones in music and are repeated sequentially to include all the tones from the lowest to the highest register. Note names vary according to the clef sign.

A clef is a sign placed at the beginning of the staff to indicate the name and pitch of the notes placed on the staff. There are many clef signs. The treble or G clef is written as follows.

## Example 3



When the treble clef is at the beginning of the staff, the notes on the staff are as follows.

Example 4


Treble Clef E F G A $\quad$ B $\quad$ C $\quad$ D $\quad$ E $\quad$ F

Leger lines are used to extend the range of the staff. The notes below the staff are as follows.

Example 5


Treble clef D C B A G F E D D C

Using leger lines, the notes above the staff are as follows.

Example 6


Bar lines divide the music into specified units.

Example 7


Treble clef bar line measure or bar bar line

A double bar line indicates the end of the composition or movement.

Example 8


Double bar

## Lesson 1A

At the beginning of each stave, write a treble clef and then, under the note
in the space between the staves, write the resultant note names.


## Lesson 1B

The purpose of this lesson is to introduce the sharp, flat, and natural accidental signs.

The sharp sign ( \# ), placed before a note, raises that note by one semitone or by one half step. The flat sign ( $b$ ), placed before a note, lowers that note by one semitone or by one half step. The natural sign ( $q$ ), placed before a note, cancels the sharp or flat. The accidental signs remain in effect until the end of the measure or until the note is altered by another accidental sign.

## Example 9



## Lesson $1 B$

Write the name of each note in the space between the staves below it.


## Lesson 2

The purpose of this lesson is to introduce the bass clef and the notes on, below, and above a staff beginning with a bass clef. The bass or F clef is written as follows.

Example 10


When the bass clef is at the beginning of the staff, the notes on the staff are as follows.

Example 11


Bass Clef G A B C $\begin{array}{llllllll} & \text { B } & \text { E }\end{array}$

Leger lines are used to extend the range of the staff. The notes below the staff are as follows.

Example 12


Bass Clef F E D C B A

The notes above the staff are as follows.

Example 13

$\begin{array}{llllllllll}\text { Bass Clef } & \text { B } & \text { C } & \text { D } & \text { E } & \text { F } & \text { G } & \text { A } & \text { B } & \text { C }\end{array}$

Lesson 2A
At the beginning of each stave, write a bass clef and then, under the note in the space between the staves, write the resultant note names.


Q $\quad \Omega$


## Lesson 28

Write the name of each note in the space between the staves below it.


## Lesson 3

The purpose of this lesson is to illustrate the relationship between the treble clef and the bass clef.

Example 14



Example 15

The notes in column 1 are the same pitch as the notes displayed in column 2. Notes that sound the same, have the same name, but look different are called unisons or octaves. Notes that sound the same, but have a different name and look different are called enharmonic equivalents. These notes share the same letter name therefore they are unisons.

$+$

= unisons


Column 1


Column 2


Column 1


Cólumn 2


Column 1


Column 2


Example 16

$\stackrel{n}{N}$


Example 17


F
E
Eb
D
Db
C
B
Bb
A
Ab
G
Gb
F
E
Eb
D
Db
C
B
Bb
A
Ab
G

$$
\underset{\sim}{\sim}
$$



Gb $F$
E
Eb
D
Db
C
B
$\mathrm{Bb} \quad \mathrm{A} \quad \mathrm{Ab} \quad \mathrm{G}$
Gb F

Example 18



Example 19

$A \quad A b \quad G \quad G b \quad F$
E
Eb
D
Db
C
B
Bb
A
Ab
G
Gb
F
E
Eb
D
Db
C
B
$\stackrel{\infty}{\sim}$

$\begin{array}{llllllllllllll}\mathrm{Bb} & \mathrm{A} & \mathrm{Ab} & \mathrm{G} & \mathrm{Gb} & \mathrm{F} & \mathrm{E} & \mathrm{Eb} & \mathrm{D} & \mathrm{Db} & \mathrm{C} & \mathrm{B} & \mathrm{Bb} & \mathrm{A}\end{array}$

The purpose of this lesson is to diagram the procedure for counting up 12 semitones or half steps to reaffirm the distance between notes one octave apart.

Example 20


G G\# A A\# B C C\# D D\# E F CH G


F\# G G\# A A\# B C C\# D D\# C E F F\#

$\mathrm{Eb} \mathrm{E} \quad \mathrm{F}$ F\# G G\# A A A B C C\# D Db

## Lesson 4

In the measure provided to the right of each note, write another note one octave above it.


## Lesson 4B

The purpose of this lesson is to diagram the procedure for counting down 12 semitones or half steps to reaffirm the distance between notes one octave apart.

Example 21

$\begin{array}{lllllllllllll}G & G b & F & E & E b & D & D b & C & B & B b & A & A b & G\end{array}$

$A \# \quad A \quad A b \quad G \quad G b \quad F \quad E \quad E b \quad D \quad D b \quad C \quad B \quad A \#$

$\mathrm{Bb} \quad \mathrm{A} \quad \mathrm{Ab} \quad \mathrm{G} \quad \mathrm{Gb} \quad \mathrm{F} \quad \mathrm{E} \quad \mathrm{Eb} \quad \mathrm{D} \quad \mathrm{Db} \quad \mathrm{C} \quad \mathrm{B} \quad \mathrm{Bb}$

Lesson 4B
In the measure provided to the right of each note, write another note one octave below it.


## Lesson 5

The purpose of this lesson is to provide a uniform procedure for describing pitch. A note is natural unless it is altered by an accidental (sharp or flat) or by a key signature (lesson 19). Notes can be described in relation to their position on the staff.

Example 22


This note (middle C) can be described as: treble clef, below the staff, one leger line, line. The final descriptor (line) identifies the note as either a line or a space.


This note (middle C) can be described as: bass clef, above the staff, one leger line, line.


This note ( $C$ ) can be described as: treble clef, above the staff, two leger lines, line.


This note (B) can be described as: bass clef, below the staff, two leger lines, space.

Lesson 5
Write the notes indicated in whole notes on the staves below.

F
A
C
E
D


C
A
G
E
D

Lesson 6

The purpose of this lesson is to review the procedure for describing pitch (covered in lesson 5) and to diagram the procedure using notes above and below the staff.

Example 23

treble clef, above the staff, three leger lines, space, sharp
treble clef, above the staff, three leger lines, space
treble clef, above the staff, three leger lines, line
treble clef, above the staff, two leger lines, space, sharp
treble clef, above the staff, two leger lines, space
treble clef, above the staff, two leger lines, line, sharp
treble clef, above the staff, two leger lines, line
treble clef, above the staff, one leger line, space
treble clef, above the staff, one leger line, line, sharp
treble clef, above the staff, one leger line, line
treble clef, above the staff, no leger lines, sharp
treble clef, above the staff, no leger lines
treble clef, below the staff, three leger lines, space, flat treble clef, below the staff, three leger lines, space treble clef, below the staff, three leger lines, line treble clef, below the staff, two leger lines, space, flat treble clef, below the staff, two leger lines, space treble clef, below the staff, two leger lines, line, flat treble clef, below the staff, two leger lines, line treble clef, below the staff, one leger line, space, flat treble clef, below the staff, one leger line, space treble clef, below the staff, one leger line, line treble clef, below the staff, no leger lines, space, flat treble clef, below the staff, no leger lines, space

## Lesson 6

Write the notes indicated in whole notes on the staves below.

$F$ below the $\underset{C}{E}$ above middle $\underset{C}{F}$ below middle $A$ below middle $C$

F sharp
B sharp
A first space
G fourth space

## Lesson 7

The purpose of this lesson is to review the sharp, flat and natural accidental signs and to introduce the double sharp, double flat and double natural accidental signs.

A sharp (\#) placed before a note will alter that note by raising it by one semitone or one half step. A flat (b) placed before a note, will alter that note by lowering it by one semitone or one half step. A natural cancels a sharp or flat.

A double sharp (x) placed before a note will alter that note by raising it by two half steps or one whole step. A double flat (bb) placed before a note will alter that note by lowering it by two half steps or one whole step. A double natural (4) cancels a double sharp or double flat. A natural sign (q) will cancel only one of the two sharps or flats.

Example 25


## Lesson 7

Alter the notes one semitones by adding either a sharp or a flat as requested.


Raise lower raise lower raise lower raise

Lesson 8

The purpose of this lesson is to diagram the comparative values of notes.

Example 26

One whole note is equal in value to:
i) two half notes


## Lesson 8

In the measure provided, write one note equal in value to the sum of the notes in the given measure.


## Lesson 9

The purpose of this lesson is to diagram the comparative values of rests.

## Example 27

One whole rest is equal in value to:
i) two half rests
ii) four quarter rests

$$
\left.\left.\begin{array}{llllllll}
\} & & \} & & \} & & \} \\
7 & 7 & 7 & 7 & 7 & 7 & 7 & 7
\end{array}\right\} \begin{array}{lllllll}
7 & 7 & 7 & 7 & 7 & 7 & 7 \\
7 & 7
\end{array}\right]
$$

iii) eight eighth rests
iv) sixteen sixteenth rests
v) thirty-two thirty-second rests


$$
\exists \Rightarrow \exists \Rightarrow \exists \Rightarrow \exists
$$

$$
\exists \Rightarrow \quad \exists \quad \exists \quad \exists \exists \exists
$$

$$
\exists \Rightarrow \exists \exists \Rightarrow \exists \exists
$$

## Lesson 9

In the measure provided, write one rest equal in value to the sum of the notes in the given measure.


## Lesson 10

The purpose of this lesson is to compare the relative values of notes and rests.

Example 28

A whole note is equal in value to a whole rest.
A half note is equal in value to a half rest.
A quarter note is equal in value to a quarter rest. An eighth note is equal in value to an eighth rest.

A sixteenth note is equal in value to a sixteenth rest.
A thirty-second note is equal in value to a thirty-second rest.
$0=\square$
$d=\ldots$
$d=\xi$
$\delta=7$
$F=7$
$E=\exists$

Lesson 10
In the measure proviced, write one note equal in value to the rest in the given measure.


Lesson 11

The purpose of this lesson is to introduce simple time signatures and groupings.

Example 29


## Lesson 11

Add the correct time signatures to the following measures.


Lesson 12

The purpose of this lesson is to provide a chart outlining the number of beats given to notes in the simple time signatures.

Example 30

In $2 / 8,3 / 8$ and $4 / 8$ time:
a thirty-second note receives $1 / 4$ beat, a sixteenth note receives $1 / 2$ beat, an eighth note receives 1 beat, and a quarter note receives 2 beats.

In $2 / 4,3 / 4$ and $4 / 4$ time:
a thirty-second note receives $1 / 8$ beat,. a sixteenth note receives $1 / 4$ beat, an eighth note receives $1 / 2$ beat, a quarter note receives 1 beat, and a half note receives 2 beats.

In $2 / 2,3 / 2$ and $4 / 2$ time:
a thirty-second note receives $1 / 16$ beat, a sixteenth note receives $1 / 8$ beat, an eighth note receives $1 / 4$ beat, a quarter note receives $1 / 2$ beat, a half note receives 1 beat, and a whole note receives 2 beats.

## Lesson 12

In the space between the staves, write how many beats each of the following notes would receive.


Lesson 13
In the measures provided, write notes of any value in accordance with the given time signatures. Insure proper grouping of notes.


## Lesson 14

Complete the following measures by adding one rest to each measure. Insure proper grouping in accordance with the given time signatures.


## Lesson 15

Fill each measure with notes and rests properly grouped in accordance with the given time signatures.


Lesson 16
Correctly group the given notes in accordance with the given time signatures.


## Lesson 17

Correctly group the given notes and rests in accordance with the given time
signatures.


## Lesson 18

Complete the following measures with properly grouped rests.


## Lesson 19

The purpose of this lesson is to diagram the procedure for constructing chromatic and major scales using the charts provided in lesson 3.

## Example 31

n


| ST | ST | ST | ST | ST | ST | ST | ST | ST | ST | ST |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Write a treble clef at the beginning of each stave, then write the scales indicated adding the necessary accidentals and slurs to mark the semitones.

C Major ascending and descending in whole notes


G Major ascending and descending in half notes

D Major ascending and descending in quarter notes

A Major ascending and descending in eighth notes

C Major ascending and descending in quarter notes

F Major ascending and descending in half notes

Bb Major ascending and descending in whole notes


Eb Major ascending and descending in half notes


C Major ascending and descending in half notes

A Major ascending and descending in quarter notes

D Major ascending and descending in quarter notes



G Major ascending and descending in half notes

Eb Major ascending and descending in half notes

F Major ascending and descending in whole notes

Lesson 20

The purpose of this lesson is to reinforce the method of constructing major scales using the formula: T T ST T T T ST, to compare the progression of sharps and flats, and to diagram the circle of fifths.

Example 32


Example 33

Progression of sharp keys: C G D A E B. F\# C\#
Progression of flat keys: $C \quad F \quad B b \quad E b A b \quad D b \quad G b \quad C b$
The progression of sharp keys moves in ascending fifths. The progression of flat keys moves in descending fifths. Similarly, the sequence of sharps in a key signature moves in ascending fifths and the sequence of flats in a key signature moves in descending fifths.

Sequence of sharps in a key signature: F\# C\# G\# D\# A\# E\# B\#
Sequence of flats in a key signature: $\mathrm{Bb} \quad \mathrm{Eb} \quad \mathrm{Ab} \quad \mathrm{Db} \quad \mathrm{Gb} \quad \mathrm{Cb} \mathrm{Fb}$

Example 34

$T$
ST
$T$
T
T
ST

$\begin{array}{lllllll}T & T & T & T & T & T\end{array}$

$\begin{array}{llllllll}T & T & S T & T & T & T & S T\end{array}$


## Example 35


$T \quad T$
ST
T
$T$
T
ST

$T \quad T$
ST
T
T
T
ST

$T \quad T \quad S T$
T
T
T
ST

$\begin{array}{lllllll}T & T & S T & T & T & T & S T\end{array}$

$\begin{array}{lllllll}T & T & S T & T & T & T & S T\end{array}$

Example 36


Lesson 20

Write a bass clef at the beginning of each stave, then write the scales indicated adding the necessary accidentals and slurs to mark the semitones.

C Major ascending and descending in whole notes

Eb Major ascending and descending in half notes

F Major ascending and descending in quarter notes

A Major ascending and descending in eighth notes

D Major ascending and descending in quarter notes

Bb Major ascending and descending in quarter notes

G Major ascending and descending in whole notes

C Major ascending and descending in half notes

Bb Major ascending and descending in whole notes

A Major ascending and descending in eighth notes

F Major ascending and.descending in quarter notes

Eb Major ascending and descending in half notes

G Major ascending and descending in eighth notes

D Major ascending and descending in whole notes

Lesson 21

The purpose of this lesson is to provide a method for identifying major key signatures.

Example 37


In the key of $C$ Major, there are no sharps or flats.


In the key of $G$ Major, there is 1 sharp. It is $F \#$ and it is the leading tone or the tone one semitone below $G$.


In the key of D Major, there are 2 sharps; $F \#$ and C\#. The final sharp is C\#. It is the leading tone or the tone one semitone below D.


In the key of A Major, there are 3 sharps; $\mathrm{FH}, \mathrm{CH}$ and GH . The final sharp is G\#. It is the leading tone or the tone one semitone below A.


In the key of E Major, there are 4 sharps; F\#, C\#, G\# and D\#. The final sharp is D\#. It is the leading tone or the tone one semitone below E .


In the key of F Major, there is 1 flat. It is Bb and it is the subdominant or the note 5 semitones above $F$.


In the key of Bb Major, there are 2 flats; Bb and Eb . The final flat is Eb. It is the subdominant or the note 5 semitones above Bb . Another way of determining a flat major key by looking at the key signature is to locate the final flat and then go back one.


In the key of Eb Major, there are 3 flats; $\mathrm{Bb}, \mathrm{Eb}$ and Ab . The final flat is Ab . It is the subdominant or the note 5 semitones above Eb . In the key signature, the Ab is immediately preceded by Eb .


In the key of Ab Major, there are 4 flats; $\mathrm{Bb}, \mathrm{Eb}, \mathrm{Ab}$ and Db . The final flat is Db . It is the subdominant or the note 5 semitones above Ab . In the key signature, the Db is immediately preceded by Ab.

There are other major key signatures that will be introduced in level 2, lesson. 21.

## Lesson 21

Write each major scale one octave ascending and descending in half notes according to the provided key signatures. Mark'all semitones with slurs.


Lesson 22

The purpose of this lesson is to provide a list of the names of tones in a major scale.

Example 38

The eighth tone in a major scale is called the tonic or keynote.
The seventh tone in a major scale is called the leading tone.
The sixth tone in a major scale is called the mediant.
The fifth tone in a major scale is called the dominant.
The fourth tone in a major scale is called the subdominant.
The third tone in a major scale is called the submediant.
The second tone in a major scale is called the supertonic.
The first tone in a major scale is called the tonic or keynote.


| อฺฺuołxədnS | $\mapsto$ |
| :---: | :---: |
| quetpouqns | $\mapsto$ |
| ?̧ueutuopqns | 9 |
| 7uеuṬưの | ↔ |
| ұиет̣рэн | ↔ |
| əu07 6uṭpert | $\stackrel{ }{\text { ↔ }}$ |
|  | 9 |

## Lesson 23

The purpose of this lesson is to review the methods for determining the key of a key signature and to identify the tonic note of each of the keys studied in lesson 21.

If there are no sharps or flats in the key signature, the key is C Major. If the key signature is sharp, locate the final sharp and read up one semitone to determine the key. If the key signature is flat, locate the final flat and read the flat immediately preceding it to determine the key.

Example 39


Key of C Major


Key of D Major


Key of E Major


Key of G Major


Key of A Major


Key of F Major


Key of Bb Major


Key of Ab Major

## Lessons 22-23

Write the key signatures of the major scales using the provided tonic notes.


Identify the following keys indicated by the major key signatures and write the


Lessons 24-25
Correct the positioning of the stems and the grouping of the notes in the following passages of music.


## Music Theory Level 2

Lesson 1

The purpose of this lesson is to review and expand recognition of notes above and below the staff.

Example 40


G G\# A A\# B $\quad$ C $\quad$ C\# $\quad \mathrm{D} \quad \mathrm{D} \# \mathrm{E} \quad \mathrm{F} \quad \mathrm{F} \#$

$\begin{array}{llllllllllll}D & \mathrm{Db} & \mathrm{C} & \mathrm{B} & \mathrm{Bb} & \mathrm{A} & \mathrm{Ab} & \mathrm{G} & \mathrm{Gb} & \mathrm{F} & \mathrm{E} & \mathrm{Eb}\end{array}$

Lesson 1B

The purpose of this lesson is to review and expand recognition of notes above and below the staff begun by a bass clef.

Example 41


BC C\# D D\# E F F\# G G\# A A\#

$\begin{array}{llllllllllll}\mathrm{F} & \mathrm{E} & \mathrm{Eb} & \mathrm{D} & \mathrm{Db} & \mathrm{C} & \mathrm{B} & \mathrm{Bb} & \mathrm{A} & \mathrm{Ab} & \mathrm{G} & \mathrm{Gb}\end{array}$

## Lesson 1

Write the name of each note in the space between the staves below it.


$\theta$


## Lesson 2

The purpose of this lesson is to provide a list of all enharmonic equivalents. An enharmonic equivalent is two different names given to the same sound.

Example 42

Cb is the same pitch as B
B\# is the same pitch as C
C\# is the same pitch as Db
Db is the same pitch as C\#
D\# is the same pitch as Eb
Eb is the same pitch as D\#
E is the same pitch as Fb
E\# is the same pitch as F
Fb is the same pitch as E
F is the same pitch as E\#
F\# is the same pitch as Gb
Gb is the same pitch as $\mathrm{F} \#$
G\# is the same pitch as Ab
Ab is the same pitch as G\#
A\# is the same pitch as Bb
Bb is the same pitch as A\#
$B$ is the same pitch as Cb

The following pairs of notes are examples of enharmonic equivalents. They look different and have different names but they sound the same.

Column 1


$=$ enharmonic
equivalents


Column 1


Column 2


Colum 1
)


Column 2


## Lesson 2

In the measure provided, write the enhamonic equivalents of the following notes.


## Lesson 3

The purpose of this lesson is to provide a method for constructing major scales with sharp key signatures using only the letter names of the notes.

Example 43

| C | D | E | F | G | A | B | C |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| G | A | B | C | D | E | F\# | G |
| D | E | F\# | G | A | B | C\# | D |
| A | B | C\# | D | E | F\# | G\# | A |
| E | F\# | G\# | A | B | C\# | D\# | E |
| B | C\# | D\# | E | F\# | G\# | A\# | B |
| F\# | G\# | A\# | B | C\# | D\# | E\# | F\# |
| C\# | D\# | E\# | F\# | G\# | A\# | B\# | C\# |

First tetrachord . Second tetrachord

Lesson 4

The purpose of this lesson is to provide a method for constructing major scales with flat key signatures using only the letter names of the notes.

Example 44

| C | B | A | G | F | E | D | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F | E | D | C | Bb | A | G | F |
| Bb | A | G | F | Eb | D | C | Bb |
| Eb | D | C | Bb | Ab | G | F | Eb |
| Ab | G | F | Eb | Db | C | Bb | Ab |
| Db | C | Bb | Ab | Gb | F | Eb | Db |
| Gb | F | Eb | Db | Cb | Bb | Ab | Gb |
| Cb | Bb | Ab | Gb | Fb | Eb | Db | Cb |

First tetrachord
Second tetrachord

The purpose of this lesson is to diagram one method for transposing music from one key to another or a distance specified by an interval.

## Example 45

C Major to G Major $=$ Perfect fifth
C Major to D Major $=$ Major second
C Major to A Major $=$ Major sixth
C Major to E Major $=$ Major third
C Major to B Major $=$ Major seventh
C Major to F\# Major $=$ Augmented fourth

G Major to C Major = Perfect fourth
G Major to D Major $=$ Perfect fifth
G Major to A Major = Major second
G Major to E Major $=$ Major sixth
G Major to B Major = Major third
G Major to F\# Major = Major seventh
G Major to $\mathrm{C} \#$ Major $=$ Augmented fourth

D Major to C Major $=$ Minor seventh
D Major to G Major = Perfect fourth
D Major to A Major = Perfect fifth
D Major to E Major = Major second
D Major to B Major = Major sixth
D Major to F\# Major = Major third
D Major to C\# Major = Major seventh

| A Major | to | C Major | = | Minor third |
| :---: | :---: | :---: | :---: | :---: |
| A Major | to | G Major | = | Minor seventh |
| A Major | to | D Major | = | Perfect fourth |
| A Major | to | E Major | = | Perfect fifth |
| A Major | to | B Major | = | Major second |
| A Major | to | F\# Major | = | Major sixth |
| A Major | to | C\# Major | = | Major third |
| E Major | to | C Major | = | Minor sixth |
| E Major | to | G Major | = | Minor third |
| E Major | to | D Major | = | Minor seventh |
| E Major | to | A Major | = | Perfect fourth |
| E Major | to | B Major | = | Perfect fifth |
| E Major | to | F\# Major | = | Major second |
| E Major | to | C\# Major | $=$ | Major sixth |
| B Major | to | C Major | = | Minor second |
| B Major | to | G Major | = | Minor sixth |
| B Major | to | D Major | = | Minor third |
| B Major | to | A Major | = | Minor seventh |
| B Major | to | E Major | $=$ | Perfect fourth |
| B Major | to | F\# Major | = | Perfect fifth |
| B Major | to | C\# Major | $=$ | Major second |
| F\# Major | to | C Major | $=$ | Diminished fifth |
| F\# Major | to | G Major | = | Minor second |
| F\# Major | to | D Major | $=$ | Minor sixth |


| F\# Major | to | A Major | = | Minor third |
| :---: | :---: | :---: | :---: | :---: |
| F\# Major | to | E Major | = | Minor seventh |
| F\# Major | to | B Major | $=$ | Perfect fourth |
| F\# Major | to | C\# Major | $=$ | Perfect fifth |
| C\# Major | to | G Major | = | Diminished fifth |
| C\# Major | to | D Major | = | Minor second |
| C\# Major | to | A Major | $=$ | Minor sixth |
| C\# Major | to | E Major | $=$ | Minor third |
| C\# Major | to | B Major | = | Minor seventh |
| C\# Major | to | F\# Major | $=$ | Perfect fifth |
| C Major | to | F Major | $=$ | Perfect fourth |
| C Major | to | Bb Major | = | Minor seventh |
| C Major | to | Eb Major | = | Minor third |
| C Major | to | Ab Major | $=$ | Minor sixth |
| C Major | to | Db Major | = | Minor second |
| C Major | to | Gb Major | = | Diminished fifth |
| F Major | to | C Major | = | Perfect fifth |
| F Major | to | Bb Major | = | Perfect fourth |
| F Major | to | Eb Major | $=$ | Minor seventh |
| F Major | to | Ab Major | $=$ | Minor third |
| F Major | to | Db Major | = | Minor sixth |
| F Major | to | Gb Major | $=$ | Minor second |
| F Major | to | Cb Major | = | Diminished fifth |
| Bb Major | to | C Major | $=$ | Major second |


| Bb Major | to | F Major | = | Perfect fifth |
| :---: | :---: | :---: | :---: | :---: |
| Bb Major | to | Eb Major | = | Perfect fourth |
| Bb Major | to | Ab Major | $=$ | Major seventh |
| Bb Major | to | Db Major | = | Minor third |
| Bb Major | to | Gb Major | = | Minor sixth |
| Bb Major | to | Cb Major | = | Minor second |
| Eb Major | to | C Major | $=$ | Major sixth |
| Eb Major | to | F Major | $=$ | Major second |
| Eb Major | to | Bb Major | = | Perfect fifth |
| Eb Major | to | Ab Major | = | Perfect fourth |
| Eb Major | to | Db Major | $=$ | Minor seventh |
| Eb Major | to | Gb Major | = | Minor third |
| Eb Major | to | Cb Major | = | Minor sixth |
| Ab Major | to | C Major | $=$ | Major third |
| Ab Major | to | F Major | $=$ | Major sixth |
| Ab Major | to | Bb Major | = | Major second |
| Ab Major | to | Eb Major | = | Perfect fifth |
| Ab Major | to | Db Major | $=$ | Perfect fourth |
| Ab Major | to | Gb Major | = | Minor seventh |
| Ab Major | to | Cb Major | $=$ | Minor third |
| Db Major | to | C Major | = | Major seventh |
| Db Major | to | F Major | = | Major third |
| Db Major | to | Bb Major | $=$ | Major sixth |
| Db Major | to | Eb Major | = | Major second |
| Db Major | to | Ab Major | = | Perfect fifth |

Db Major to GbMajor $=$ Perfect fourth
Db Major to CbMajor $=$ Minor seventh
Gb Major to C Major $=$ Augmented fourth
Gb Major to F Major $=$ Major seventh
Gb Major to Bb Major $=$ Major third
Gb Major to Eb Major $=$ Major sixth
Gb Major to AbMajor $=$ Major second
Gb Major to Db Major $=$ Perfect fifth
Gb Major to CbMajor $=$ Perfect fourth
Cb Major to F Major $=$ Augmented fourth
Cb Major to Bb Major $=$ Major seventh
Cb Major to Eb Major $=$ Major third
Cb Major to Ab Major $=$ Major sixth
Cb Major to Db Major $=$ Major second
Cb Major to Gb Major $=$ Perfect fifth

Lesson 5

The purpose of this lesson is to diagram the number of beats given to single and double dotted notes. A single dot placed immediately after a note increases the duration of that note by half its original value. A second dot would increase the duration again by one quarter its original value.

Example 46

One dotted whole note is equal in value to:
0 .
i) three half notes
ii) six quarter notes
iii) twelve eighth notes
iv) twenty-four sixteenth notes

v) forty-eight thirty-second notes

0 is equal in value to $0+d$
0. is equal in value to $0+d+d$
$d$. is equal in value to $d+d$
$d .$. is equal in value to $d+d+d$
$d$ is equal in value to $d+d$
$d$.. is equal in value to $d+\rho+f$
$\delta$. is equal in value to $\delta+\delta$
$\delta$.. is equal in value to $\delta+f+\delta$

To provide a single note equal in value to the sum of a given set of notes, think in terms of fractions, determine a common denominator, and add.

Example 47

To find a single note equal to:

i) convert into fractions: $\quad \begin{array}{lllllllllll}1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 4 & 8 & 8 & 16 & 16 & 16 & 16 & 8 & 8\end{array}$

Note that this step is a straight conversion with a whole note equal to 1 , a half note equal to $1 / 2$, etc.
ii) determine a common denominator: $\begin{array}{llllll}4 & 2 & 4 & 2 \\ & 16 & .16 & 16 & 16\end{array}$
iii) add the fractions together: $\int_{16}^{4}+\underset{16}{2}+\underset{16}{4}+\underset{16}{2}=\begin{aligned} & 16 \\ & 16\end{aligned}$
iv) reduce the fraction:
$16=1$ 16
v) rethink in musical terms: $1=$ whole note
vi) complete the exercise: the rhythmic progression given above is equal in value to one whole note.

Lesson 5
Write one note in the measure provided equal in value to the sum of the notes in the previous measure.


Lesson 6
Write one note in the measure provided equal in value to the sum of the notes and rests in the previous measure.


## Lesson 7

Write one note in the space provided equal in value to:


Four thirty- whole + half
two half + two two quarter notes second notes note quarter notes


Three half $1 / 4$ whole note two sixteenth one quarter + two notes notes eighth notes


Four quarter four half notes $1 / 8$ whole note twelve sixteenth notes notes


Two eighth Three eighth two sixteenth + twelve eighth notes notes notes two eighth notes

## Lesson 8

The purpose of this lesson is to diagram the simple and compound time signatures. A time signature provides three bits of information: the number of beats in a measure, what note will receive one beat, and how the notes will be grouped. The time signature, 4 , indicates that there are four beats in a measure, that the quarter note will receive one beat, and that the notes will be grouped to show four quarter note divisions or two half note divisions.

Example 48

Indicates each measure will contain two beats Indicates the eighth note will receive one beat Together, it indicates a division into two eighth notes.

Indicates each measure will contain two beats Indicates the quarter note will receive one beat Together, it indicates a division into two quarter notes.

Indicates each measure will contain two beats Indicates the half note will receive one beat Together, it indicates a division into two half notes.

Indicates each measure will contain three beats Indicates the eighth note will receive one beat Together, it indicates a division into three eighth notes.

Indicates each measure will contain three beats
Indicates the quarter note will receive one beat Together, it indicates a division into three quarter notes.

Indicates each measure will contain three beats
Together, it indicates a division into three half notes.

Indicates each measure will contain four beats
Indicates the eighth note will receive one beat Together, it indicates a division into four eighth notes or two quarter notes.

4
Indicates each measure will contain four beats
4
Indicates the quarter note will receive one beat
Together, it indicates a division into four quarter notes or two half notes.

4
Indicates each measure will contain four beats
2
Indicates the half note will receive one beat
Together, it indicates a division into four half notes or two whole notes.

Simple time signatures are based on the number '2'. There are 2 sixteenth notes in an eighth note, 2 eighth notes in a quarter note, 2 quarter notes in a half note, and 2 half notes in a whole note. While dotted notes do exist in simple time, they are the exception rather than the rule. Compound time signatures are based on the number '3' and are typified by dotted notes. There are 3 sixteenth notes in a dotted eighth note, 3 eighth notes in a dotted quarter note, 3 quarter notes in a dotted half note, and 3 half notes in a dotted whole note.

Every simple time signature has a corresponding compound time signature that can be determined by multiplying the top and bottom numbers of the simple time signature by '3' and '2' respectively. By dividing the top and bottom numbers of the compound time signature by '3' and '2' respectively, one can determine the corresponding simple time signature.

The importance in understanding corresponding simple and compound time signatures lies with selecting the most appropriate time signature for the music. If the music contained in a simple time signature is predominantly dotted, perhaps a compound time signature would lesson the degree of reading difficulty.

Example 49

$$
\begin{array}{lll}
2 \\
8
\end{array}{ }_{2}^{3}=\begin{aligned}
& 6 \\
& 16
\end{aligned} \quad 8 \times \frac{3}{2}=\begin{aligned}
& 9 \\
& 16
\end{aligned} \quad 8 \times \frac{3}{2}=\frac{12}{16}
$$

In each of the above equations, the simple time signature is multiplied by the numbers ' 3 ' and ' 2 ' to determine the compound time
signature.
In the following set of equations, the compound time signature is divided by '3' and '2' respectively to determine the simple time signature.

| $\begin{aligned} & 6 \\ & 8 \end{aligned}$ | divided by | $\begin{aligned} & 3 \\ & 2 \end{aligned}$ | $=$ | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | $\begin{aligned} & 9 \\ & 8 \end{aligned}$ | divided by | 3 2 | $=$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} 12 \\ 8 \end{array}$ | divided by | 3 2 | = | 4 4 | $\begin{aligned} & 6 \\ & 4 \end{aligned}$ | divided by | 3 2 | $=$ |
| 9 4 | divided by | 3 2 | = | 2 | 12 | divided by | 3 2 | = |

Lesson 8

Correct the grouping of the notes according to the time signatures in the


## Lesson 9

The purpose of this lesson is to diagram the division of notes in both simple and compound time signatures.

Example 50
2 j

$2 d \quad 3 \quad 4 d \quad 4 d \begin{aligned} & 4 \\ & 4\end{aligned} d d d d$
$2 d d \quad \begin{aligned} & 3 \\ & 2\end{aligned} d \quad d \quad d \quad \begin{aligned} & 4 \\ & 2\end{aligned} d d d$

Example 51


## Lesson 9

White the proper time signature at the beginning, of each stave.


## Lesson 10

The purpose of this lesson is to diagram the comparative values of dotted notes and tied dotted notes.

## Example 52

o. is equal in value to $d . \quad d$.
$d$. is equal in value to $\quad d$.
d. is equal in value to $\rho$.
d. is equal in value to $f$
$f$ is equal in value to

Lesson 11

The purpose of this lesson is to further diagram the comparative value of dotted notes.

## Example 53

0 is equal in value to $0+d$ or $d+d+d$ $d$. is equal in value to $d+d$ or $d+d+d$ . is equal in value to $\delta+\rho$ or $\rho+\lambda+\delta$
$d$ is equal in value to $\delta+\hat{f}$ or $\hat{f}+\hat{f}$
$\hat{f}$ is equal in value to $\hat{k}+\hat{k}+\hat{k}+\hat{k}$

## Lesson 10-11

Write groups of two tied notes equal in value to the following dotted notes.


Write groups of three tied notes equal in value to the following double


Lesson 12

The purpose of this lesson is to further diagram the comparative value of double, single, and non-dotted notes.

Example 54
0. is equal in value to 28
o. is equal in value to 24
sixteenth notes
o is equal in value to 16 sixteenth notes
$d$. is equal in value to 14 sixteenth notes
$d$. is equal in value to 12 sixteenth notes
$d$ is equal in value to 8
sixteenth notes
d.. is equal in value to 7 sixteenth notes
d. is equal in value to 6 sixteenth notes
d is equal in value to 4 sixteenth notes
$\int$ is equal in value to 3.5 sixteenth notes
$\int$ is equal in value to 3 sixteenth notes
d is equal in value to 2 sixteenth notes
F.. is equal in value to 1.75 sixteenth notes
is equal in value to 1.5 sixteenth notes is equal in value to 1 sixteenth note

This chart may be used to determine the lowest common denominator in exercises intended to find the total number of beats contained within a measure. The values would be read as fractions with, for example, the whole note being equal in value to 16 sixteenth notes and consequently being read as $16 / 16$ or, simply, as 1.

Lesson 12
Write one note in the measure provided equal in value to the sum of the notes in the previous measure.


The purpose of this lesson is to diagram the comparative values of dotted and non-dotted notes and to compare the basic structure of simple and compound time.

Example 55

$=\}$


In the above series of notes, the dotted notes break down into groups of threes and follow the pattern: 3, 6, 12, etc. The non-dotted notes break down into groups of twos and follow the pattern: 2, 4, 8, etc. In both instances, there is a doubling of the previous value.

## Lesson 13-14

Write one note in the space provided equal in value to half the sum of the note in the previous measure.


Write one note in the space provided equal in value to twice the sum of the note in the previous measure.


Lesson 15

The purpose of this lesson is to diagram the comparative values of notes and rests.

## Example 56



Lesson 15
Write one rest in the space provided equal in value to the sum of the note(s) in the previous measure.


## Lesson 16

Write dotted notes in the space provided equal in value to the sum of the rest(s) in the previous measure.


## Eesson 17

Using a variety of different note lengths and groupings, fill each of the following measures according to the given time; signatures.


Lesson 18
Write the proper time signatures at the beginning of each stave and then add bar lines to the following passages of music in accordance with the time signatures.


## Lesson 19

Correctly group the notes in the following passages of music and then add bar lines in accordance with the given time signatures.


## Lesson 20

Provide the appropriate time signature at the beginning of each stave.


## Lesson 21

The purpose of this lesson is to provide a complete chart of all major scales.

Example 57





| HS WS WS WS WS WS WS |  |  |
| :--- | :--- | :--- | :--- |
| First tetrachord |  | Second tetrachord |




| HS WS WS WS WS WS WS |  |  |
| :--- | :--- | :--- | :--- |
| First tetrachord |  | Second tetrachord |

Example 58


Another way to determine what notes are contained within each major scale is to alternate tetrachords. Beginning with the C Major scale, make the second tetrachord the first tetrachord of the G Major scale. Because the first and eighth notes of a major scale are always an octave apart, only three additional notes have to be found. When those have been determined, take the second tetrachord of the G Major scale and make it the first tetrachord of the D Major scale and so on until all sharp keys have been found. To determine the flat keys, begin again with the $C$ Major scale and take the first tetrachord, reverse it, and make it the first tetrachord of the F Major scale. As before, the first and eighth notes are an octave apart so only three additional notes must be determined. To continue through the remaining flat keys, take the second tetrachord of the F Major scale and make it the first tetrachord of the Bb Major scale and so on.

There are other scales and sequences of notes called modes that are contained in junior concert band music and the interval patterns for the more frequently found are as follows.

Example 59

| Major scale | WS | WS | HS | WS | WS | WS | HS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Harmonic minor scale | WS | HS | WS | WS | HS | WS+HS | HS |
| Melodic minor scale | WS | HS | WS | WS | WS | WS | HS |
| $\quad$ (descending) | WS | WS | HS | WS | WS | HS | WS |
| Chromatic scale | HS | HS | HS | HS | HS | HS | HS |
| $\quad$ (continued) | HS | HS | HS | HS | HS |  | H |


| Dorian mode | WS | HS | WS | WS | WS | HS | WS |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Phrygian mode | HS | WS | WS | WS | HS | WS | WS |
| Lydian mode | WS | WS | WS | HS | WS | WS | HS |
| Mixolydian mode | WS | WS | HS | WS | WS | HS | WS |
| Hypodorian mode | WS | HS | WS | WS | HS | WS | WS |
| Hypophrygian mode | HS | WS | WS | HS | WS | WS | WS |
| Hypolydian mode | WS | WS | HS | WS | WS | WS | HS |
| Hypomixolydian mode | WS | HS | WS | WS | WS | HS | WS |
| Pentatonic mode | WS | WS+HS | WS | WS | WS+HS |  |  |
| Whole-tone mode | WS | WS | WS | WS | WS | WS |  |

Both the authentic (dorian, phrygian, lydian, and mixolydian) and the plagel (hypodorian, hypophrygian, hypolydian, and hypomixolydian) modes are generally limited in range to one octave beginning and ending on specified pitches.

## Lesson 21

Write the following major scales one octave ascending without key sịnatures using accidental signs and marking all semitones with slurs.


C Major


G Major


F Major


D Major


Bb Major


A Major


Eb Major


E Major


Ab Major


B Major


Db Major


F\# Major


Gb Major


C\# Major


Cb Major


F Major


A Major


Bb Major


Eb Major


B Major

## Lesson 22

Write the following scales one octave descending using the proper key signatures and marking all semitones with a slur.


C Major


E Major


G Major


B Major


F Major


Db Major


Ab Major


D Major


F\# Major


Bb Major


Gb Major


A Major


C\# Major


Eb Major


Cb Major


Ab Major


Db Major


C Major


D Major


B Major


E Major

Lesson 23

The purpose of this lesson is to provide a chart for determining interval size.

Example 60

| Unison |  |  |
| :---: | :---: | :---: |
| Minor second | one semitone |  |
| Major second | two semitones | one whole tone |
| Minor third | three semitones |  |
| Major third | four semitones | two whole tones |
| Diminished fourth | four semitones | two whole tones |
| Perfect fourth | five semitones |  |
| Augmented fourth | six semitones | three whole tones |
| Diminished fifth | six semitones | three whole tones |
| Perfect fifth | seven semitones |  |
| Augmented fifth | eight semitones | four whole tones |
| Minor sixth | eight semitones | four whole tones |
| Major sixth | nine semitones |  |
| Minor seventh | ten semitones | five whole tones |
| Major seventh | eleven semitones |  |
| Perfect octave | twelve semitones | six whole tones |
| Minor ninth | thirteen semitones |  |
| Major ninth | fourteen semitones | seven whole tones |
| Minor tenth | fifteen semitones |  |
| Major tenth | sixteen semitones | eight whole tones |

Lesson 23
In the space between the staves, identify each of the foliowing intervals.


Lesson 24

The purpose of this lesson is to provide a method for determining how many of a particular interval is contained within a two octave span of a major scale.

Example 61

To determine how many major thirds there are in the $C$ Major scale:
i) write out the C Major scale two octaves, and

ii) reaffirm how many semitones are contained in a major third (four semitones or two whole tones).
iii) Beginning on middle $C$, count up chromatically four semitones. iv) If one of the notes listed above is four semitones above middle $C$, then the distance between the two notes can be marked as a major third. v) If the note is not listed then continue on to the second note, $D$, and repeat the procedure.
vi) Upon completion, eliminate any doubles that may have been counted.

## Lesson 24

In the measures provided, write all the requested intervals contained in the keys designated by the given major key sigratures.


The purpose of this lesson is to provide a procedure for determining key signatures from diatonic intervals. A diatonic interval is a pair of notes contained in the same scale. A chromatic interval is a pair of notes not contained in the same scale. In many instances, a diatonic interval will be found in more than one scale.

The first step in this process to determine key signatures from diatonic intervals is to understand the sequence of sharps and flats.

Example 62

Sequence of sharps: F\# C\# G\# D\# A\# E\# B\#
Sequence of flats: Bb Eb $\mathrm{Ab} \quad \mathrm{Db} \quad \mathrm{Gb} \quad \mathrm{Cb} \quad \mathrm{Fb}$

The sequence of sharps and flats are exactly opposite in order with the progression of sharps moving in ascending perfect fifths and the progression of flats moving in descending perfect fifths. It is this consistency of order that permits determination of key signatures.

The second step is to locate the sharp or flat that is closest to the end in one of the above sequences. If the sequence of sharps is involved, the final sharp will be the leading tone and the key will be one semitone or one half step above it. If the sequence of flats is involved, the final flat will be the subdominant and the key will be five semitones below it. The sharp diatonic interval may be contained in key signatures with more sharps. The flat diatonic interval may be contained in key signatures with less flats.

Lesson 25
List the major keys that contain each of the following diatonic intervals.


The purpose of this lesson is to provide a procedure for determining the key of a given melody.

To determine the key of a given melody, find the sharp or flat that is closest to the end in the sequence of sharps and flats. For a sharp key signature, the final sharp will be the leading tone and the key will be one semitone above it. For a flat key signature, the final flat will be the subdominant of the key and the tonic or keynote will be five semitones lower. In the progression of flats, the key will be the flat preceding the final flat.

## Lesson 26

Determine the key in each of the following examples and place the key signature at the beginning of the stave.


## Lesson 27

The purpose of this lesson is to provide a list of words showing strength of tone.

Example 63

| Pianissimo (pp) | Very soft |
| :--- | :--- |
| Mezzo piano (mp) | Moderately soft |
| Piano (p) | Soft |
| Mezza voce (mv) | Medium tone |
| Mezzo forte (mf) | Moderately loud |
| Forte (f) | Loud |
| Fortissimo (ff) | Very loud |
| Crescendo (~, Gradually become louder |  |
| Decrescendo ( | Gradually become softer |
| Diminuendo ( | Gradually become softer |
| Sforzando (sf) | Accented |
| Forzando (fz) | Accented |
| Rinforzando (rf) | Strengthen the tone |

The purpose of this lesson is to provide a list of words showing speed.

Example 64

| Grave | Extremely slow, solemn |
| :--- | :--- |
| Lento | Slow |
| Largo | Broad |
| Larghetto | Rather broad |
| Adagio | Slow, leisurely |
| Andante | Going at an easy pace |
| Andantino | At a moderate pace but not as |
|  | slow as andante |
| Moderato | Moderate speed |
| Allegretto | Rather fast |
| Allegro | Fast |
| Vivace | Lively |
| Presto | Very quick |
| Prestissimo | As fast as possible |

Lesson 29

The purpose of this lesson is to provide another list of words relating to speed.

Example 65

| Accelerando (accel.) | Get gradually faster |
| :--- | :--- |
| Rallentando (rall.) | Get gradually slower |
| Calando | Softer and slower |
| Ritardando (ritard.) | Slow down the speed |
| Ritenuto (rit., riten.) | Hold back the speed |
| A tempo | In time (original speed) |
| Ad libitum (ad lib.) | At the performer's pleasure |
| A piacere | At the performer's pleasure |
| Meno mosso | Slower at once |
| Piiu mosso | Quicker at once |

Lesson 30

The purpose of this lesson is to provide a list of terms relating to tone.

Example 66

| Mancando | Failing or waning tone |
| :--- | :--- |
| Smorzando | Dying away |
| Morendo | Dying away |
| Piu forte | More loudly |
| Piu piano | More softly |
| Meno forte | Less loudly |
| Meno piano | Less softly |
| Perdendosi | Losing itself by getting softer |
|  | and slower |

The purpose of this lesson is to provide another list of terms relating to speed.

Example 67

| Largamente | Broadly, massively |
| :--- | :--- |
| Adagietto | Rather leisurely |
| Tempo ordinario | Ordinary speed |
| Tempo commodo | Convenient, comfortable speed |
| Vivacissimo | Extremely lively |
| Tosto | Quick, rapid |
| Celere | Quick, nimble |
| Veloce | Swiftly |
| Stringendo (string.) | Hurrying the speed |
| Stretto | Hurrying the speed |
| Affrettando | Hurrying the speed |
| Tempo giusto | In strict or exact time |
| Doppio tempo | In double time |
| Doppio movimento | In double time |
| L'istesso tempo | In the same time as the preceding |
| Tempo primo | movement |
| Piu lento | At the same speed as at first |

Example 68

Year One, Term One: September to Mid-October

Theory of music level 1:1A
Theory of music level $1: 1 B$
Theory of music level 1:2A
Theory of music level 1:2B
Theory of music level 1:3
Theory of music level 1:4

Term Two: Mid-October to Christmas Break

Theory of music level 1:5
Theory of music level 1:6
Theory of music level 1:7
Theory of music level 1:8

Term Three: January to Mid-February

Theory of music level 1:9
Theory of music level 1:10
Theory of music level 1:11
Theory of music level 1:12
Theory of music level 1:13

Term Four: Mid-February to the End of March

Theory of music level 1:14
Theory of music level 1:15

Theory of music level 1:16
Theory of music level 1:17
Theory of music level 1:18

Term Five: April to Mid-May

Theory of music level 1:19
Theory of music level 1:20
Theory of music level 1:21
Theory of music level 1:22
Theory of music level 1:23

Term Six: Mid-May to the End of June

General review in preparation for a final, cumulative examination.

Year Two, Term One: September to Mid-October

Theory of music level 2:1
Theory of music level 2:2
Theory of music level 2:3
Theory of music level 2:4
Theory of music level 2:5

Term Two: Mid-October to Christmas Break

Theory of music level 2:6
Theory of music level 2:7
Theory of music level 2:8

Theory of music level 2:9
Theory of music level 2:10

Term Three: January to Mid-February

Theory of music level 2:11
Theory of music level 2:12
Theory of music level 2:13
Theory of music level 2:14
Theory of music level 2:15

Term Four: Mid-February to the End of March

Theory of music level 2:16
Theory of music level 2:17
Theory of music level 2:18
Theory of music level 2:19
Theory of music level 2:20

Term Five: April to Mid-May

Theory of music level 2:21
Theory of music level 2:22
Theory of music level 2:23
Theory of music level 2:24
Theory of music level 2:25

Term Six: Mid-May to the End of June

Theory of music level 2:26

Theory of music level 2:27
Theory of music level 2:28
Theory of music level 2:29
Theory of music level $2: 30$
Theory of music level 2:31
Theory of music level 2:32
Theory of music level 2:33
General review in preparation for a final, cumulative examination.

## Chapter 2

RHYTHMIC PROGRESSIONS

## Introduction

The rhythmic progressions contained in this chapter are intended to be used to build student recognition of the primary components of rhythm, to aid in the study of articulations and dynamics, and to accompany exercises involving concert scales. Most of the concert pieces contained within the junior concert band repetoire use one or more of the following rhythmic progressions. If students are familiar with these rhythmic progressions they will be able to perform them with less difficulty in the concert pieces.

The primary components of rhythm are whole notes and whole rests, half notes and half rests, quarter notes and quarter rests, eighth notes and eighth rests, sixteenth notes and sixteenth rests, and eighth note triplets and quarter note triplets.

The whole note ( o ) and the whole rest ( ) receives 4 beats in 4/4 time. The beats are counted 1-2-3-4. The sound or silence is continuous.

The half note ( $d$ ) and the half rest ( $n$ ) receives 2 beats in
4/4 time. The beats are counted 1-2 or 2-3 or 3-4 depending on the placement of the half note or half rest within the measure. The sound or silence is sustained for 2 full beats.

The quarter note ( ) and the quarter rest ( $\}$ ) receives 1 beat.
in $4 / 4$ time. The beat is counted 1 or 2 or 3 or 4 depending on the placement of the quarter note or quarter rest within the measure. The sound or silence is sustained for 1 full beat.

The eighth note ( $ل$ ) and the eighth rest ( 7 ) receives $\frac{1}{2}$ beat in 4/4 time. Consecutive eighth notes and rests are counted $1+2+3+4+$ with the numbers indicating the first half of the beat and the addition signs indicating the second half of the beat.

The sixteenth note ( f) and the sixteenth rest ( 7 ) receives $\frac{1}{4}$ beat in $4 / 4$ time. Consecutive sixteenth notes or sixteenth rests are counted $1 \mathrm{e}+\mathrm{a} 2 \mathrm{e}+\mathrm{a} \cdot 3 \mathrm{e}+\mathrm{a} 4 \mathrm{e}+\mathrm{a}$ indicating the 4/16ths contained in each quarter note or quarter rest beat.

The eighth note triplet and the quarter note triplet are examples of 3 against 2 counting; 3 eighth notes or 3 quarter notes are written in a rhythmic progressions where only 2 eighth notes or 2 quarter notes. should be. To accomodate triplets, maintain the beat but instead of counting "1 +" or "1 2", say "tri-pl-et".

Remember that simple time signatures are based on " 2 " while compound time signatures are based on "3". Also remember that fractions will remain constant in both simple and compound time. An eighth note $(1 / 8)$ is equal to 2 sixteenth notes $(1 / 16+1 / 16=1 / 8)$ and is half the value of a quarter note ( $1 / 4$ divided by $2=1 / 8$ ).

The reader is encouraged to impose the articulation markings found in chapter 5 on the rhythmic progressions to increase the level of difficulty and to expand learning. Similarly, dynamic markings can be used to challenge the reading abilities of the students once it becomes apparent that the rhythmic progressions
are fully understood.
The rhythmic progressions should be used during concert scale reviews to increase interest in the scales and depth of understanding in the patterns. The progressions can be counted out and performed, clapped and performed, clapped by the director and written out by the students or played by the director and played back by the students. Once the rhythmic progression and the concert scale are understood by the band students, the pattern can be applied as a rhythmic ostinato on each step of the scale.

In a more advanced application, the director can specify the rhythmic progression, the placement of specific articulation markings and dynamic levels within that progression, and the concert scale the exercise will be performed on. This drill can be accomplished using the entire band or selected individuals within the group and serves to reinforce the lesson that there is more to performing music than merely playing notes and rhythms. The experience of performing musically during the technical part of the lesson will establish a standard that will continue when concert pieces are being taught.

$\begin{array}{lllllllll}1 & 2 & 3 & 1 & 2 & 3 & 4\end{array}$



$1+2+3+4+1-23+4+1+2+3-4$

$1+2+3+4+1+2+3+4+1+2+3+4+$


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1+2+3+4+1+2+3+4+1+2+3+4+
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1+2+3+4+1+2+3+4+1+2+3+4+
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1+2+3+4+1+2+3+4+1+2+3+4
$$


$1+2+3+4+1+2+3+4+1+2+3+4+$

$1+2+3+4+1+2+3+4+1+2+3+4+$



## ) N N N

$123+4123+4+1+23+4$

$12+3+41+2+3+4+12+3+$

$1+23412-2-3+4+1.2-3+4+$


$1 e+a 2 e+a 1+2 e+a 1+2+$

$1 e+a 2 e+a 1 e+a 2 e+a 1 e+a 2 e+a$

$1 e+a 2 e+a 1 e+22 e+a 1 e+a 2 e+a$

$1 e+a 2 e+a 1 e+a 2 e+a 1 e+a 2 e+a$

$1 e+a 2 e+a 1 e+a 2 e+a 1 e+a 2 e+$


$1 e+a 2+1+a 2 e+2+1+a$

$1 e+a 2 e+a 10+a 2+1 e+a 2 e+$

$1+a 2 e+a 1 e+a 2 e+a \quad 1 e+a 2 e+a$

$1 e+a 2+a 1 e+a, 2 e+a 11+a 2 e+a$



$1+a 2 e+a 1 e+a 2+a+1+a+2+a$


$1 e+2 e+a 3+41+a 2 e+3 e+a 41-2+3 e+4+a$



$$
1+2+3+4+1+2+3+4+1+2+3+4+
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$1+a 2+a 1 e+2 e+1+2+2+$

$1+a 2 e+a 1 e+a 2 e+a 11 e+a 2 e+a$

$1 e+a 2+1 e+a+1 e+a+2 e+a$


$$
1+2 a 3+41 a 2+3 e+a 41 \quad a 2 e+a 3+4
$$



$1 \mathrm{a} 2+3+1+\mathrm{a} 2+3+1+2+\mathrm{a}+3+$


$1-2-3+a 4+a 1-2+a 3-4+a 1-2-3-4+a$


12 tri-pl-et 1 triplet tri-pl-et tri-pl-et 3-4 +

## Chapter 3

PRE-BAND

## Introduction

Pre-band instruction is a forum for presenting some difficult performance techniques without the added complexities of a band instrument. Pre-band lessons in music theory and recorder to grades 6-7 students provide the skills to read and perform music on an instrument that is relatively easy to produce a sound on. Students are sequentially presented notes and rhythms that gradually increase in difficulty. The selected rhythms are presented over and over to allow students to become comfortable with the patterns. The new fingerings are featured at the top of each page to serve as a reference and to diagram enharmonic equivalents and alternate fingerings. When students have successfully completed the recorder and relevant theory lessons, they should find the transition onto a band instrument substantially easier.

The recorder lessons are to be used again during the final months of first year junior concert band as they are within a range easily attained on the flute and the saxophone and, to a lesser extent, on the clarinet. The lessons can be adapted to accomodate the trumpet and bass sections of the band.

During the second and third years of junior concert band, the passages of music for the recorder can be used in combination with
the Curwen hand signs and concert pitch recognition. The director states the concert key the exercise is in and, using the hand signs to show the steps in the progressions, leads the students through the melodic and rhythmic passages in unison. I find this procedure especially useful in teaching chromatic scales. I describe each of the steps in terms of concert pitch so a chromatic scale one octave from Bb to Bb would follow the verbal pattern: concert Bb , concert B , concert $C$; concert $D$, concert Eb , concert F , concert G , concert A , and concert Bb up the octave. As the students will have performed each of the major concert scales during first year junior concert band, the exercise should be easily performed by the students. This knowledge is particularly valuable when warming-up and tuning. By integrating hand sign and concert pitch recognition with the melodic and rhythmic progressions contained in the recorder exercises, the students are building on knowledge received during an earlier stage of development. By building on these fundamental approaches to band instruction, learning becomes less apprehensive and more familiar to the student.





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## Chapter 4

## TECHNIQUE

A Sequential. Approach to Technical Drills

The purpose of this chapter is to delineate sequentially the major, minor, and chromatic scales; the arpeggios and other technical drills; the rhythmic exercises; and the ear training and hand sign recognition lessons designed to establish a firm base for reading pitch and rhythm, fluently.

Example 69

Year One, Term One September to Mid-October

Skill

Concert Bb Major Scale

Concert Eb Major Scale

Chromatic Scale Concert Bb

Reference

I Recommend 7:1
Advanced Technique for Bands 2:1
Exercises for Ensemble Drill 8-9:1
I Recommend 7:5

Advanced Technique for Bands 6:14
Exercises for Ensemble Drill 8-9:12

I Recommend 15:1
Advanced Technique 2:4(c)
Exercises for Ensemble Drill 12:1

| Chromatic Scale Concert Eb | I Recormend 15:2 |
| :---: | :---: |
|  | Advanced Technique for Bands 6:17(c) |
|  | Exercises for Ensemble Drill 12:6 |
| Hand sign recognition | Appendix 1 |
| Ear Training Concert Bb | Unison, major second ascending, major third ascending |
| Ear Training Concert Eb | Unison, major second ascending, major third ascending |
| Rhythmic Exercises | Advanced Technique for Bands 3:6(a-r) |
|  | Advanced Technique for Bands 7:19(a-o) |
| Term Two: Mid-October to Christmas Break |  |
| Concert Ab Major Scale | I Recommend 8:13 |
|  | Advanced Technique for Bands 10:27 |
|  | Exercises for Ensemble Drill 8-9:11 |
| Concert F Major Scale | I Recommend 8:9 |
|  | Advanced Technique for Bands 14:40 |
|  | Exercises for Ensemble Drill 8-9:2 |
| Chromatic Scale Concert Ab | I Recommend 15:4 |
|  | Advanced Technique for Bands 10:30(c) |
|  | Exercises for Ensemble Drill 12:11 |
| Chromatic Scale Concert F | I Recormmend 15:3 |
|  | Advanced Technique for Bands 14:43(c) |
|  | Exercises for Ensemble Drill 12:8 |
| Hand sign recognition | Appendix 1 |
| Ear Training Concert Ab | Perfect fourth ascending, perfect |



Term Four: Mid-February to the End of March

| Concert G Major Scale | I Recommend 10:29 |
| :---: | :---: |
|  | Advanced Technique for Bands 26:79 |
|  | Exercises for Ensemble Drill 8-9:4 |
| Concert D Major Scale | I Recommend 11:33 |
|  | Advanced Technique 33:115 |
|  | Exercises for Ensemble Drill 8-9:5 |
| Chromatic Scale Concert G | I Recommend 15:8 |
|  | Advanced Technique for Bands 26:82(c) |
|  | Exercises for Ensemble Drill 21:10 |
| Chromatic Scale Concert D | I Recommend 15:9 |
|  | Exercises for Ensemble Drill 12:5 |
| Hand sign recognition | Appendix 1 |
| Ear Training Concert G | Perfect octave ascending, major |
|  | second descending, major third |
|  | descending |
| Ear Training Concert D | Perfect octave ascending, major |
|  | second descending, major third |
|  | descending |
| Rhythmic Exercises | Advanced Technique for Bands 27:84(a-q) |
|  | Exercises for Ensemble Drill 40:1-36 |

Term Five: April to Mid-May

Concert A Major Scale

Concert E Major Scale

I Recommend 11:37
Exercises for Ensemble Drill 8-9:6
I Recommend 12:41

|  | Exercises for Ensemble Drill 8-9:7 |
| :---: | :---: |
| Chromatic Scale Concert A | I Recommend 15:10 |
|  | Exercises for Ensemble Drill 12:12 |
| Chromatic Scale Concert E | I Recommend 15:11 |
|  | Exercises for Ensemble Drill 12:7 |
| Hand sign recognition | Appendix 1 |
| Ear Training Concert A | Perfect fourth descending, perfect |
|  | fifth descending |
| Ear Training Concert E | Perfect fourth descending, perfect |
|  | fifth descending |
| Rhythmic Exercises | Exercises for Ensemble Drill 40:37-72 |
|  | Exercises for Ensemble Drill 41:73-114 |
| Term Six: Mid-May to the End of June |  |
| Concert B Major Scale | I Recommend 12:45 |
|  | Exercises for Ensemble Drill 8-9:8 |
| Chromatic Scale Concert B | I Recommend 15:12 |
|  | Exercises for Ensemble Drill 12:2 |
| Hand sign recognition | Appendix 1 |
| Ear Training Concert B | Major sixth descending, major seventh |
|  | descending, perfect octave descending |
| Rhythmic Exercises | Exercises for Ensemble Drill 41:115-156 |
|  | Exercises for Ensemble Drill 42:157-172 |

Example 70

Year Two, Term One: September to Mid-October

Skill

Concert G Harmonic Minor Scale
Concert G Melodic Minor Scale

Concert C Harmonic Minor Scale
Concert C Melodic Minor Scale

Concert D Harmonic Minor Scale
Concert D Melodic Minor Scale

Concert F Harmonic Minor Scale
Concert F Melodic Minor Scale

Reference

I Recommend 13:1
I Recommend 13:2
Advanced Technique for Bands 3:7
Exercises for Ensemble Drill 8-9:1
I Recommend 13:3
I Recommend 13:4
Advanced Technique for Bands 7:20
Exercises for Ensemble Drill 8-9:12
I Recormend 13:5
I Recormend 13:6
Advanced Technique for Bands 15:46
Exercises for Ensemble Drill 8-9:2
I Recormend 13:7
I Recormend 13:8
Advanced Technique for Bands 11:33
Exercises for Ensemble Drill 8-9:11

Term Two: Mid-October to Christmas Break

Concert A Harmonic Minor Scale
Concert A Melodic Minor Scale

I Recommend 13:9
I Recommend 13:10
Advanced Technique for Bands 19:59
Exercises for Ensemble Drill 8-9:3

| Concert Bb Harmonic Minor Scale | I' Recormend 13:11 |
| :---: | :---: |
| Concert Bb Melodic Minor Scale | I Recormend 13:12 |
|  | Advanced Technique for Bands 23:72 |
|  | Exercises for Ensemble Drill 8-9:10 |
| Concert Eb Harmonic Minor Scale | I Recommend 14:13 |
| Concert Eb Melodic Minor Scale | I Recormmend 14:14 |
|  | Exercises for Ensemble Drill 8-9:9 |
| Concert E Harmonic Minor Scale | I Recommend 14:15 |
| Concert E Melodic Minor Scale | I Recommend 14:16 |
|  | Advanced Technique for Bands 27:85 |
|  | Exercises for Ensemble Drill 8-9:4 |
| Term Three: January to | Mid-February |
| Concert B Harmonic Minor Scale | I Recommend 14:17 |
| Concert B Melodic Minor Scale | I Recommend 14:18 |
|  | Exercises for Ensemble Drill 8-9:5 |
| Concert F\# Harmonic Minor Scale | I Recommend 14:19 |
| Concert F\# Melodic Minor Scale | I Recommend 14:20 |
|  | Exercises for Ensemble Drill 8-9:6 |
| Concert C\# Harmonic Minor Scale | I Recommend 14:21 |
| Concert C\# Melodic Minor Scale | I Recommend 14:22 |
|  | Exercises for Ensemble Drill 8-9:7 |
| Concert G\# Harmonic Minor Scale | I Recommend 14:23 |
| Concert G\# Melodic Minor Scale | I Recommend 14:24 |
|  | Exercises for Ensemble Drill 8-9:8 |

Term Four: Mid-February to the End of March

| Interval Studies Concert Bb | I Recommend 17:1-4 |
| :---: | :---: |
| Technical Exercises Concert Bb | Advanced Technique for Bands 2:5 |
|  | Advanced Technique for Bands 3:7-9 |
|  | Advanced Technique for Bands 4:10-11 |
|  | Advanced Technique for Bands 5:12-13 |
| Interval Studies Concert Eb | I Recommend 17:5-8 |
| Technical Exercises Concert Eb | Advanced Technique for Bands 6:18 |
|  | Advanced Technique for Bands 7:20-22 |
|  | Advanced Technique for Bands 8:23-24 |
|  | Advanced Technique for Bands 9:25-26 |
| Interval Studies Concert F | I Recommend 17:9-12 |
| Technical Exercises Concert F | Advanced Technique for Bands 14:44 |
|  | Advanced Technique for Bands 15:46-48 |
|  | Advanced Technique for Bands 16:49-50 |
|  | Advanced Technique for Bands 17:51-52 |
| Interval Studies Concert Ab | I Recommend 18:13-16 |
| Technical Exercises Concert Ab | Advanced Technique for Bands 10:31 |
|  | Advanced Technique for Bands 11:32-35 |
|  | Advanced Technique for Bands 12:36-37 |
|  | Advanced Technique for Bands 13:38-39 |

Term Five: April to Mid-May

| Interval Studies Concert C | I Recormend 18:17-20 |
| :--- | :--- |
| Technical Exercises Concert C | Advanced Technique for Bands 18:57 |


|  | Advanced Technique for Bands 19:59-61 |
| :--- | :--- |
|  | Advanced Technique for Bands 20:62-63 |
|  | Advanced Technique for Bands 21:64-65 |
| Interval Studies Concert Db | I Recommend 18:21-24 |
| Technical Exercises Concert Db | Advanced Technique for Bands 22:70 |
|  | Advanced Technique for Bands 23:72-74 |
|  | Advanced Technique for Bands 24:75-76 |
| Interval Studies Concert G | Advanced Technique for Bands 25:77-78 |
| Technical Exercises Concert G | I Recomend 19:29-32 |

Term Six: Mid-May to the End of June

| Interval Studies Concert A | I Recommend 20:37-40 |
| :--- | :--- |
| Interval Studies Concert E | I Recommend 20:41-44 |
| Interval Studies Concert B | I Recommend 20:45-48 |

Example 71

Year Three, Term One: September to Mid-October

Skill

Arpeggio Concert Bb

Arpeggio Concert Eb

Technical Exercises Concert Bb

Technical Exercises Concert Eb

Reference

I Recommend 16:1
Exercises for Ensemble Drill 18-23:1
I Recommend 16:2
Exercises for Ensemble Drill 18-23:12
I Recommend 7:3
Advanced Technique for Bands 2:2-3
Exercises for Ensemble Drill 14:1
I Recommend 7:7
Advanced Technique for Bands 6:15-16
Exercises for Ensemble Drill 14:2

Term Two: Mid-October to Christmas Break

Arpeggio Concert $\mathrm{Ab} \quad$ I Recommend 16:4
Exercises for Ensemble Drill 18-23:11
I Recormmend 16:3
Exercises for Ensemble Drill 18-23:2
I Reconmend 8:15
Advanced Technique for Bands 10:28-29
Exercises for Ensemble Drill 14-15:3
I Recormmend 8:11
Advanced Technique for Bands 14:41-42
Exercises for Ensemble Drill 14-15:12

Term Three: January to Mid-February

| Arpeggio Concert C | I Recommend 16:5 |
| :---: | :---: |
|  | Exercises for Ensemble Drill 18-23:3 |
| Arpeggio Concert Db | I Recommend 16:6 |
|  | Exercises for Ensemble Drill 18-23:10 |
| Technical Exercises Concert C | I Recommend 9:19 |
|  | Advanced Technique for Bands 18:54-55 |
|  | Exercises for Ensemble Drill 14-15:11 |
| Technical Exercises Concert Db | I Recommend 9:23 |
| $\cdots$ | Advanced Technique for Bands 22:67-68 |
|  | Exercises for Ensemble Drill 14-15:4 |
| Brass Lip Drills | I Recommend 4:1-5 |
|  | Exercises for Ensemble Drill 24-25 |
| Term Four: Mid-February | the End of March |
| Arpeggio Concert G | I Recommend 16:8 |
|  | Exercises for Ensemble Drill 18-23:4 |
| Arpeggio Concert D | I Recommend 16:9 |
|  | Exercises for Ensemble Drill 18-23:5 |
| Technical Exercises Concert G | I Recommend 10:31 |
|  | Advanced Technique for Bands 26:80-81 |
|  | Exercises for Ensemble Drill 14-15:10 |
| Technical Exercises Concert D | I Recommend 11:35 |
|  | Exercises for Ensemble Drill 14-15:9 |
| Brass Lip Drills | I Recommend 4:1-5 |
|  | Fussell 24-25 |

Term Five: April to Mid-May

| Arpeggio Concert A | I Recommend 16:10 |
| :---: | :---: |
|  | Exercises for Ensemble Drill 18-23:6 |
| Arpeggio Concert E | I Recommend 16:11 |
|  | Exercises for Ensemble Drill 18-23:7 |
| Technical Exercises Concert A | I Recommend 11:39 |
|  | Exercises for Ensemble Drill 14-15:8 |
| Technical Exercises Concert E | I Recommend 12:43 |
|  | Exercises for Ensemble Drill 14-15:7 |
| Brass Lip Drills | I Recommend 4:1-5 |
|  | Exercises for Ensemble Drill 24-25 |
| Term Six: Mid-May to the End of June |  |
| Arpeggio Concert B | I Recommend 16:12 |
|  | Exercises for Ensemble Drill 18-23:8 |
| Technical Exercises Concert B | I Recommend 12:47 |
|  | Exercises for Ensemble Drill 14-15:6 |
| Brass Lip Drills | I Recommend 4:1-5 |
|  | Fussell 24-25 |

## Chapter 5

## PREPARATION FOR PERFORMANCE

## Diaphragmatic breathing

Numerous strategies exist to develop correct diaphragmatic breathing and breath control. Teal describes this exercise to help achieve correct breathing. ${ }^{11}$

1. Walk slowly, keeping the body loose.
2. Stand erect, but comfortably. Shoulders and arms should be relaxed. Swing the arms while walking.
3. Take in a full breath quickly on one step.
4. Hold this breath for two steps.
5. Exhale through the mouth slowly for eight to ten steps.
6. Take two more steps before the next inhalation.

Teal notes that, in the above exercise, "the inhalation is fast and the remainder of the cycle is much slower. ${ }^{12}$

Wilkins recommends that the following series of exercises be practiced daily. ${ }^{13}$ He suggests a gradual increase from ten to twenty times a day and warns not to exceed six times without a rest period if fatigued.

## Exercise A

1. Place palm of hand upon the abdomen just below the ribs.
2. Take a breath slowly, feeling the diaphragm move outward against the hand.
3. Still inhaling slowly, expand the chest upward and outward until a comfortable supply of air has been taken.
4. Hold the breath for several seconds.
5. Exhale slowly, but do not permit the ribs to contract until almost all the air has been expelled.
6. The diaphragm does not retract until the end of the exhalation.

In performing this exercise, always remember that the breath must flow out evenly. If the result is jerky and wavering, inhale a smaller quantity of air and the control of it will be easier. The beginner can hear the out-flow of air if he will use the sibilant "S" when exhaling. It is advisable for him to do this in all the exercises so that he can tell if the breath is flowing smoothly and steadily. As he gains control of the breath, he should increase the inhalation.

Exercise B

1. Place palm of hand upon the abdomen just below the ribs.
2. Take a breath slowly, feeling the diaphragm move outward against the hand.
3. Still inhaling slowly, expand the chest upward and outward until a comfortable supply of air has been taken.
4. Exhale slowly, interrupting the steady flow of air by frequent pauses.

The purpose of these pauses is to strengthen the muscles used in controlling the air column.

Exercise C

1. Inhale slowly.
2. Hold breath for several counts when capacity is reached.
3. Exhale quickly.

Exercise D

1. Inhale quickly.
2. When the lung capacity is reached, hold the breath again.
3. Exhale slowly and steadily.

Shank describes the exhaling process as: ${ }^{14}$
...the most important breathing facet in playing, since it is blowing which produces the sound. ...Disregard the mental concept of the diaphragm or lower areas of breathing. Think of blowing directly through the horn. ...If you blow properly out front, the breath apparatus works automatically. A major effort should be concentrated on blowing the air from the mouth through the horn. Have the feeling of blowing your nose. Feel the pressure of the air against the front of the face.

This idea is developed is three stages. ${ }^{15}$

1. Start "frontal projection" by developing a vocal "m" sound or
hum that vibrates the entire nasal bone structure of the face.
2. Using a well-developed frontal hum, open the lips into a pucker whistle position and begin to whistle. This sounds rather complex, but what results here is the coordination of a good frontal projection with the release of air. You are gradually moving towards playing the instrument.
3. This step, a "buzz card" technique, adds a vibrating medium to the air stream. Any small card will suffice. While doing the hum and whistle, place the end of the card against the open lips, making the card vibrate sympathetically with the sounds. The more center of sound there is to the buzz on the card, the greater the degree of frontal projection.

Bollinger suggests ten steps to achieve proper diaphragmatic breathing and support. ${ }^{16}$

1. Hands at sides, bend over until weight hangs on hips. Fill lungs to capacity, and then hiss the air out slowly.
2. Hands behind head, elbows out. Inhale suddenly, exhale slowly (over and over).
3. Lie face up on the floor. Next breath deeply and notice what happens, i.e., what parts of the body move while breathing and how they move. Notice the feel of breathing while in this position. Take a deep breath and exhale. Do this ten times, slowly, and stay as relaxed as possible.
4. Stand up. Think of the lungs as a balloon. Fill up the balloon completely, and softly say "Hup" so you fill your mouth also. Then hold for an instant, think of the note you are to play, aim, then release. (The diaphragm should have the feeling of grunting as its pressure is used to move the air steadily.) Check daily: with hands on hips, try to fill up all around the waist.
5. Take a pocket-size mirror, open the mouth and throat wide and watch closely in the mirror while inhaling. Now do the same thing when exhaling, and try to get the same feeling.
6. Take a deep breath through the mouth (the same manner as when lying down on the back) and then exhale very slowly through the lips for about $15-20$ seconds. Then take another deep breath and repeat exhaling slowly through the lips. All breathing while playing an instrument should feel exactly this way.
7. Next take a deep breath and blow a stream of air against the back of the hand. A stream of cold air suggests inadequate support, and this is wrong. A warm air stream usually means good support. (Tio obtain a warm air stream, think of trying to moisten glasses to polish them, etc.)
8. Take a thin sheet of paper (small piece), and place it
against a wall or the middle of a music stand, and practice blowing air through the lips toward the paper, and see how long the paper will stay on the wall or music stand with this air pressure.
9. Try to whistle, sustaining the tone as long as possible.
10. Swim often-especially underwater.

Zorn views breath support as a three-fold process: inhalation, switchover and exhalation and provides the following experiments to illustrate each phase. ${ }^{17}$

Examining the muscles used in the inhalation.

1. Take a slow, deep inhalation as though you were sipping through a straw and notice how your rib cage and abdomen expand (...the muscles of the diaphragm contract downward while the rib cage expands outward). Repeat the experiment if necessary.

Exploring inhalation capacity.
2. Again, take a slow, cipping inhalation. When your lungs feel full to capacity, hold your breath for a second, then sip in still more air. This experiment should give you an idea of your inhalation capacity. It was probably a good deal more than you anticipated and dramatically more than a normal, everyday-activity breath intake. It should be pointed out, however, that this sort of double inhalation is not recommended for performance, but is useful as an experiment. Your ultimate goal is to take in as much air as possible with a single inhalation.

Analyzing the switchover.
3. Take a slow, sipping inhalation: When your lungs are full, hold everything for several seconds, and note that. a new set of muscles has taken over control to hold the air from rushing out. This is the switchover.

In the exhalation process, the abdominal muscles surrounding the waist control the rate and pressure of the air being exhaled.

Analyzing the muscles controlling the exhalation.
4. Take a moderate inhalation, make the switchover, and then simulate several coughs. Notice which muscles are being activated.

Analyzing the rate and pressure of the exhaled air.
5. Take a slow, full inhalation, make the switchover, and then exhale gradually, sounding the sibilant, "Sssss..." Try
varying the loudness level of the sibilant. Repeat this final experiment several times until you thoroughly understand the whole breathing process.

To teaching proper diaphragmatic breathing while involving students rhythmically and developing basic vibrato techniques, Bollinger suggests breath impulse or panting. ${ }^{18}$ Here, the diaphragm is contracted sharply causing the air in the lungs to be thrust upward and outward in accelerated bursts. Bollinger warns that this method will sound rhythmic and mechanical during the initial stages but will develop into an artistic sound.

Mueller has compiled a series of exercises intended to lesson tension and to open the throat. Ideally, Mueller writes; ${ }^{19}$

Shoulders should remain low, but the chest and spinal column should remain erect but not rigid. Abdominal wall muscles, acting in an in-and-up fashion, expel the air in the proper amount and at the proper rate of speed. These muscles are even more important in playing a wind instrument than the lips, for they control the breath which sets the lips vibrating. They control volume, carrying power, pitch, and even the character of the tonal result. ...Fresh breath should be taken before the supply is completely exhausted. Therefore the amount of air taken should be geared to the length, loudness, and tessitura of the phrase played. ...Exercises in long tones with dynamic contrasts, and exercises in gradually increased scope of intervals, help to establish control of the breath apparatus.

Exercises to open the throat.

1. By whispering the word "who-00-00" over and over, then the word "pooh" in a like manner, one will become aware of what an open throat feels like.
2. By placing the palm of the hand lightly over the collarbone region at the base of the throat while playing forte, a reasonable feeling of relaxation should be noted. While complete relaxation of this area is virtually impossible, minimal contraction of these muscles is the key to good endurance.
3. A second check can be made with the two index fingers touching lightly the area just below and behind the lower jaw structure. Tension, if it is present"at this point, is caused by
excessive stiffness of the tongue muscle during sustained passages, or by moving the tongue back and forth rather than up and down during articulation.

The following suggestions on breath control are also submitted by Mueller. ${ }^{20}$
4. Release all the air from the lungs. Wait as long as possible. Now take a quick breath. It will be correctly placed.
5. Pant as though you had just completed a mile race. Please note carefully your muscular sensations.
6. Visualize and simulate sniffing the fragrance of a beautiful rose.
7. Inhale and exhale two incorrect high chest breaths. Now take a third breath, placing it deeply and correctly.
8. While sitting, lean as far forward as possible, placing your head between your knees as you practice breathing.
9. Using a wide belt around your waist just below the rib cage (higher than normal belt placement), draw it tightly during a short portion of your practice session to serve as a reminder of correct breath placement.

Warm-Up and Tuning Exercises

Warm-Up Exercises

Tuning Exercises

Articulation and Dynamic Exercises

Articulation Exercises
I Recommend 21:1-2
I Recommend 22:3-4
I Recommend 23:5

Articulation Guide ${ }^{18}$


Horizontal accent (accent the note,
hold for full value, "doot" tonguing,
detach from the following note).
Verticle accent (marcato, heavy accent,
hold the note less than its full value,
short "dot" tonguing).
Heavy accent (play the note as short
as possible, "dit" tonguing).
Staccato (play the note short and
light, "daht" tonguing).
Legato (hold the note for its full
value, "doo" tonguing).
Subito marking (accent the note then.
quickly fade to piano).
Subito marking (accent the note then
quickly fade to piano).
Rinforzando (accent the note then
sustain for remaining value at forte).
Accented
Tenuto accent (accent the note, hold
for full value, sustain to following
note).
Dash (accented staccato, play the
note short and heavy).

## FOOTNOTES

${ }^{1}$ Secondary (8-12) Music Curriculum/Resource Guide, (Victoria, Canada: Ministry of Education, 1980).
${ }^{2}$ Ibid., p. 1.
$3^{3}$ Ibid., pp. 13-14.
${ }^{4}$ Based largely on Robert D. Devine, "A Band Report Card Based on a Three-Year Curriculum with Specific Objectives," in The Instrumentalist, ed. Kenneth L. Neidig (Evanston, Illinois: The Instrumentalist Company, 1981), Vol. 35, No. 11, pp. 18-19.
${ }^{5}$ Ibid., p. 19.
${ }^{6}$ Ibid., p. 19.
7 The sequence of the music theory lessons follows the format of James Murray Brown, A Handbook of Musical Knowledge, (Amersham, Bucks: Halstan \& Co. Ltd., 1967). The list of terms in level 2, lessons 27-31 are taken directly from pp. 46-47.
$8_{\text {The renth }}$ rhythic patterns have been taken from many sources, the most prominent being: Raymond C. Fussell, Exercises for Ensemble Drill, (Melville, New York: Schmitt, Hall \& McCreary, 1939), pp. 43-52; Nilo W. Hovey, Advanced Technique for Bands, (Chicago: M. M. Cole Publishing Co., 1963); James D. Ployhar, I Recommend, (Melville, New York: Byron-Douglas Publications, 1972).
${ }^{9}$ The exercises for recorder are original however the sequence of note introduction is based on Carle Hodson, arr., The Empire Classroom Method for Recorder, (New Westminster, Canada: Empire Music Publishers Ltd., 1962) and the rhythmic progression were taken from Nilo W. Hovey, Advanced Technique for Bands, (Chicago: M. M. Cole Publishing Co., 1963).
${ }^{10}$ See Appendices 1-4.
${ }^{11}$ Larry Teal, The Art of Saxophone Playing, (Evanston, Illinois: Sumy-Birchard Co., 1963).
$12_{\text {Ibia. }}$
${ }^{13}$ Frederick Wilkins, The Mechanics of Breathing," The Conn Chord, VI, 3, (May, 1983), 12.
${ }^{14}$ Barry M. Shank, "Short Cut to Correct Breathing," The Instrumentalist, XVIII, 3 (October, 1963), 30.
${ }^{15}$ Ibid., p. 30.
${ }^{16}$ Donald F. Bollinger, Band Director's Complete Handbook, West Nyack, New York: Parker Publishing Company, Inc., 1979), p. 71.
${ }^{17}$ Jay D. Zorn, Brass Ensemble Method for Music Educators, (Belmont, California: Wadsworth Publishing Company, Inc., 1977), pp. 1-2.
${ }^{18}$ Secondary (8-12) Music Curriculum/Resource Guide, (Victoria, Canada: Ministry of Education, 1980), p.54.

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## Appendix 1

## Curwen Hand Signs

The following page contains the Curwen hand signs used to direct students during warm-up exercises including major scales and arpeggios.


## Appendix 2

## Recorder Fingering Chart

The following page contains a fingering chart to accompany the instructions contained in chapter 3.



[^0]:    

[^1]:    

