

Trumpet Diatonics

Lesson One

Direct Motion: Descending

JC Heisler

Major 0 2 12 0 1 12 13 0 0 0 12 0

C B A G F E D C C G E C

Solfege: do ti la sol fa mi re do do sol mi do

Scale Degrees: 1 7 6 5 4 3 2 1 1 5 3 1

Tonal Function: Tonic Leading Tone Sub Dominant Sub Dominant Mediant Super Tonic Tonic

Natural Minor 0 1 23 0 1 23 13 0 0 0 23 0

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

do te le sol fa me re do do sol me do

1 7 6 5 4 3 2 1 1 5 3 1

Harmonic Minor 0 2 23 0 1 23 13 0 2 0 23 0

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

do ti le sol fa me re do ti sol me do

1 \wedge 7 6 5 4 3 2 1 \wedge 7 5 3 1

Chromatic 0 2 1 12 23 0 2 1 12 23 13 123 0 0 12 2 23 0

C B B \flat A A \flat G G \flat F E E \flat D D \flat C C B $\flat\flat$ G \flat E \flat C

do ti te la le sol se fa mi me re ra do do ta se me do

0 11 10 9 8 7 6 5 4 3 2 1 0 0 9 6 3 0

Whole Tone 0 1 23 2 12 13 0 0 23 12 0

C A \sharp G \sharp F \sharp E D C C G \sharp E C

do li si fi mi re do do si mi do

0 10 8 6 4 2 0 0 8 4 0

Lesson Two

Direct Motion: Ascending

JC Heisler

Major 0 13 12 1 0 12 2 0 0 12 0 0

C D E F G A B C C E G C
do re mi fa sol la ti do do mi sol do
1 2 3 4 5 6 7 1 1 3 5 1

Solfege: do re mi fa sol la ti do do mi sol do
Scale Degrees: 1 2 3 4 5 6 7 1 1 3 5 1
Tonal Function: Tonic Super Mediant Sub Dominant Sub Leading Tonic
Tonic Tonic Dominant Mediant Tone

Natural Minor 0 13 23 1 0 23 1 0 0 23 0 0

C D Eb F G Ab Bb C C Eb G C
do re me fa sol le te do do me sol do
1 2 3 4 5 6 7 1 1 3 5 1

Harmonic Minor 0 13 23 1 0 23 2 0 0 23 0 2

C D Eb F G Ab B C C Eb G B
do re me fa sol le ti do do me sol ti
1 2 3 4 5 6 ^7 1 1 3 5 ^7

Melodic Minor 0 13 23 1 0 12 2 0 0 23 0 12

C D Eb F G A B C C Eb G A
do re me fa sol la ti do do me sol la
1 2 3 4 5 ^6 ^7 1 1 3 5 ^6

Chromatic 0 123 13 23 12 1 2 0 23 12 1 2 0 0 23 2 12 0

C C# D D# E F F# G G# A A# B C C Eb Gb Bbb C
do di re ri mi fa fi sol si la li ti do do me se ta do
0 1 2 3 4 5 6 7 8 9 10 11 0 0 3 6 9 0

Whole Tone 0 13 12 2 23 1 0 0 12 23 0

C D E F# G# A# C C E G# C
do re mi fi si li do do mi si do
0 2 4 6 8 10 0 0 4 8 0

Lesson Three

Direct Motion: Descending & Ascending

JC Heisler

Major 0 2 12 0 1 12 13 0 13 12 1 0 12 2 0

C B A G F E D C D E F G A B C

Detailed description: A guitar fretboard diagram for the major scale. The top staff shows a descending scale from C4 (open) to C3 (13th fret). The bottom staff shows an ascending scale from C3 (13th fret) to C4 (open). Fret numbers are written above the notes.

0 0 12 0 12 0 0

C G E C E G C

Detailed description: A guitar fretboard diagram for the major scale. The top staff shows a descending scale from C4 (open) to C3 (12th fret). The bottom staff shows an ascending scale from C3 (12th fret) to C4 (open). Fret numbers are written above the notes.

Natural Minor 0 1 23 0 1 23 13 0 13 23 1 0 23 1 0

C Bb Ab G F Eb D C D Eb F G Ab Bb C

Detailed description: A guitar fretboard diagram for the natural minor scale. The top staff shows a descending scale from C4 (open) to C3 (13th fret). The bottom staff shows an ascending scale from C3 (13th fret) to C4 (open). Fret numbers are written above the notes.

0 0 23 0 23 0 0

C G Eb C Eb G C

Detailed description: A guitar fretboard diagram for the natural minor scale. The top staff shows a descending scale from C4 (open) to C3 (23rd fret). The bottom staff shows an ascending scale from C3 (23rd fret) to C4 (open). Fret numbers are written above the notes.

Harmonic Minor 0 2 23 0 1 23 13 0 13 23 1 0 23 2 0

C B Ab G F Eb D C D Eb F G Ab B C

Detailed description: A guitar fretboard diagram for the harmonic minor scale. The top staff shows a descending scale from C4 (open) to C3 (13th fret). The bottom staff shows an ascending scale from C3 (13th fret) to C4 (open). Fret numbers are written above the notes.

2 0 23 0 23 0 2

B G Eb C Eb G B

Detailed description: A guitar fretboard diagram for the harmonic minor scale. The top staff shows a descending scale from B4 (2nd fret) to B3 (23rd fret). The bottom staff shows an ascending scale from B3 (23rd fret) to B4 (2nd fret). Fret numbers are written above the notes.

Lesson Three: Descending & Ascending

Melodic Minor

0 1 23 0 1 23 13 0 13 23 1 0 12 2 0

C Bb Ab G F Eb D C D Eb F G A B C

12 0 23 0 23 0 12

A G Eb C Eb G A

Chromatic

0 2 1 12 23 0 2 1 12 23 13 123

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

0 123 13 23 12 1 2 0 23 12 1 2 0

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

0 12 2 23 0 23 2 12 0

C Bbb Gb Eb C Eb Gb Bbb C

Whole Tone

0 1 23 2 12 13 0 13 12 2 23 1 0

C A# G# F# E D C D E F# G# A# C

0 23 12 0 12 23 0

C G# E C E G# C

Lesson Four

Direct Motion: Ascending & Descending

JC Heisler

Major 0 13 12 1 0 12 2 0 2 12 0 1 12 13 0

C D E F G A B C B A G F E D C

0 12 0 0 0 12 0

C E G C G E C

Natural
Minor 0 13 23 1 0 23 1 0 1 23 0 1 23 13 0

C D Eb F G Ab Bb C Bb Ab G F Eb D C

0 23 0 0 0 23 0

C Eb G C G Eb C

Harmonic
Minor 0 13 23 1 0 23 2 0 2 23 0 1 23 13 0

C D Eb F G Ab B C B Ab G F Eb D C

0 23 0 2 0 23 0

C Eb G B G Eb C

Lesson Four: Ascending & Descending

Melodic Minor

0 13 23 1 0 12 2 0 1 23 0 1 23 13 0

A musical staff in treble clef with a key signature of two flats (Bb and Eb). The notes are: C, D, Eb, F, G, A, B, C, Bb, Ab, G, F, Eb, D, C. The notes are connected by stems and beams.

0 23 0 12 0 23 0

A musical staff in treble clef with a key signature of two flats (Bb and Eb). The notes are: C, Eb, G, A, G, Eb, C. The notes are connected by stems and beams.

Chromatic

0 123 13 23 12 1 2 0 23 12 1 2

A musical staff in treble clef with a key signature of one sharp (F#). The notes are: C, C#, D, D#, E, F, F#, G, G#, A, A#, B. The notes are connected by stems and beams.

0 2 1 12 23 0 2 1 12 23 13 123 0

A musical staff in treble clef with a key signature of one sharp (F#). The notes are: C, B, Bb, A, Ab, G, Gb, F, E, Eb, D, Db, C. The notes are connected by stems and beams.

0 23 2 12 0 12 2 23 0

A musical staff in treble clef with a key signature of two flats (Bb and Eb). The notes are: C, Eb, Gb, Bbb, C, Bbb, Gb, Eb, C. The notes are connected by stems and beams.

Whole Tone

0 13 12 2 23 1 0 1 23 2 12 13 0

A musical staff in treble clef with a key signature of one sharp (F#). The notes are: C, D, E, F#, G#, A#, C, A#, G#, F#, E, D, C. The notes are connected by stems and beams.

0 12 23 0 23 12 0

A musical staff in treble clef with a key signature of one sharp (F#). The notes are: C, E, G#, C, G#, E, C. The notes are connected by stems and beams.

Lesson Five

Oblique Motion: Descending & Ascending

JC Heisler

Major 0 2 0 12 0 0 0 1 0 12 0 13 0 0

C B C A C G C F C E C D C C

0 13 0 12 0 1 0 0 0 12 0 2 0 0

C D C E C F C G C A C B C C

0 0 0 12 0 0 0 12 0 0 0 0

C G C E C C C E C G C C

Natural
Minor 0 1 0 23 0 0 0 1 0 23 0 13 0 0

C Bb C Ab C G C F C Eb C D C C

0 13 0 23 0 1 0 0 0 23 0 1 0 0

C D C Eb C F C G C Ab C Bb C C

0 0 0 23 0 0 0 23 0 0 0 0

C G C Eb C C C Eb C G C C

Lesson Five: Oblique Descending & Ascending

Harmonic Minor

0 2 0 23 0 0 0 1 0 23 0 13 0 0

C B C Ab C G C F C Eb C D C C

0 13 0 23 0 1 0 0 0 23 0 2 0 0

C D C Eb C F C G C Ab C B C C

2 0 2 23 2 0 0 23 0 0 0 2

B G B Eb B C C Eb C G C B

Melodic Minor

0 1 0 23 0 0 0 1 0 23 0 13 0 0

C Bb C Ab C G C F C Eb C D C C

0 13 0 23 0 1 0 0 0 12 0 2 0 0

C D C Eb C F C G C A C B C C

12 0 12 23 12 0 0 23 0 0 0 12

A G A Eb A C C Eb C G C A

Lesson Five: Oblique Descending & Ascending

Chromatic

0 2 0 1 0 12 0 23 0 0 0 2 0 1 0 12 0 23 0 13 0 123 0 0

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

0 123 0 13 0 23 0 12 0 1 0 2 0 0 0 23 0 12 0 1 0 2 0 0

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

0 12 0 2 0 23 0 0 0 23 0 2 0 12 0 0

C Bbb C Gb C Eb C C C Eb C Gb C Bbb C C

Whole Tone

0 1 0 23 0 2 0 12 0 13 0 0

C A# C G# C F# C E C D C C

0 13 0 12 0 2 0 23 0 1 0 0

C D C E C F# C G# C A# C C

0 23 0 12 0 0 0 12 0 23 0 0

C G# C E C C C E C G# C C

Lesson Six

Contrary Motion: Descending & Ascending

JC Heisler

Major 0 1 12 12 2 13 0 0

G F A E B D C C

0 12 1 2 12 0 13 1 0 0

G A F B E C D D C C

0 12 0 0 12 0 0 0

G E C C E G C C

*Natural
Minor* 0 1 23 23 1 13 0 0

G F Ab Eb Bb D C C

0 23 1 1 23 0 13 1 0 0

G Ab F Bb Eb C D D C C

0 23 0 0 23 0 0 0

G Eb C C Eb G C C

Lesson Six: Contrary Descending & Ascending

Harmonic

Minor

0 1 23 23 2 13 0 0

G F Ab Eb B D C C

0 23 1 2 23 0 13 1 0 0

G Ab F B Eb C D D C C

0 23 2 0 23 0 0 2

G Eb B C Eb G C B

Melodic

Minor

0 1 12 23 2 13 0 0

G F A Eb B D C C

0 12 1 2 23 0 13 1 0 0

G A F B Eb C D D C C

0 23 12 0 23 0 0 12

G Eb A C Eb G C A

Lesson Six: Contrary Descending & Ascending

Chromatic

0 2 23 1 12 12 1 23 2 13 0 123 12 0 0

Musical staff showing a chromatic scale from G to C. The notes are: G, F#, Ab, F, A, E, Bb, Eb, B, D, C, Db, Db, C, C. The staff is in treble clef with a key signature of one flat (Bb).

0 23 2 12 1 1 12 2 23 0 13 12 123 0 0

Musical staff showing a chromatic scale from G to C. The notes are: G, Ab, F#, A, F, Bb, E, B, Eb, C, D, Db, Db, C, C. The staff is in treble clef with a key signature of one flat (Bb).

2 12 23 0 0 2 23 12 0 0

Musical staff showing a chromatic scale from Gb to C. The notes are: Gb, Bbb, Eb, C, C, Gb, Eb, Bbb, C, C. The staff is in treble clef with a key signature of two flats (Bb, Eb).

Whole Tone

2 12 23 13 1 0 0

Musical staff showing a whole tone scale from F# to C. The notes are: F#, E, G#, D, A#, C, C. The staff is in treble clef with a key signature of one sharp (F#).

2 23 12 1 13 0 0

Musical staff showing a whole tone scale from F# to C. The notes are: F#, G#, E, A#, D, C, C. The staff is in treble clef with a key signature of one sharp (F#).

23 12 0 0 12 23 0 0

Musical staff showing a whole tone scale from G# to C. The notes are: G#, E, C, C, E, G#, C, C. The staff is in treble clef with a key signature of two sharps (F#, C#).