

**BASSOON/CELLO**

**INSTRUMENTAL WARM-UPS  
AND BUILDERS**

**for individual or ensemble study**

**Compiled by  
Jeff Cranfill**

**Jeff Cranfill Music**

Bass Clef

# TONE BUILDERS

1

Exercise 1 consists of two staves of music in bass clef, 3/4 time, with a key signature of one flat (B-flat). The first staff contains measures 1 through 6, and the second staff contains measures 7 through 12. Each measure features a half note with a slur underneath it, and a whole note chord below it. The chords are: 1. G2, B1; 2. G2, B1; 3. G2, B1; 4. G2, B1, D2; 5. G2, B1; 6. G2, B1; 7. G2, B1; 8. G2, B1, D2, E2; 9. G2, B1; 10. G2, B1, D2; 11. G2, B1; 12. G2, B1, D2, E2.

2

Exercise 2 consists of two staves of music in bass clef, 3/4 time, with a key signature of one flat. The first staff contains measures 13 through 19, and the second staff contains measures 20 through 26. Each measure features a half note with a slur underneath it, and a whole note chord below it. The chords are: 13. G2, B1; 14. G2, B1; 15. G2, B1, D2; 16. G2, B1, D2; 17. G2, B1, D2; 18. G2, B1, D2; 19. G2, B1; 20. G2, B1; 21. G2, B1, D2; 22. G2, B1, D2; 23. G2, B1, D2; 24. G2, B1, D2; 25. G2, B1, D2, E2; 26. G2, B1, D2, E2.

3

Exercise 3 consists of three staves of music in bass clef, 3/4 time, with a key signature of one flat. The first staff contains measures 27 through 33, the second staff contains measures 34 through 40, and the third staff contains measures 41 through 47. Each measure features a half note with a slur underneath it, and a whole note chord below it. The chords are: 27. G2, B1; 28. G2, B1, D2; 29. G2, B1, D2; 30. G2, B1, D2, E2; 31. G2, B1, D2, E2; 32. G2, B1, D2; 33. G2, B1, D2; 34. G2, B1, D2; 35. G2, B1, D2; 36. G2, B1, D2; 37. G2, B1, D2; 38. G2, B1, D2; 39. G2, B1, D2; 40. G2, B1, D2; 41. G2, B1, D2; 42. G2, B1, D2; 43. G2, B1, D2; 44. G2, B1, D2; 45. G2, B1, D2, E2; 46. G2, B1, D2, E2; 47. G2, B1, D2, E2.

Bass Clef

# INTERVALS

An interval is the space between two notes

**1**

unison                      minor second                      major second                      minor third

1                                      2                                      3                                      4

major third                      perfect fourth                      augmented fourth                      perfect fifth

5                                      6                                      7                                      8

augmented fifth                      major sixth                      minor seventh                      major seventh                      octave

9                                      10                                      11                                      12                                      13

## MAJOR SCALE INTERVALS

**2**

unison                      major second                      major third                      perfect fourth

14                                      15                                      16                                      17

perfect fifth                      major sixth                      major seventh                      octave

18                                      19                                      20                                      21

## MAJOR SCALE DEGREES

**3**

22                      23                      24                      25                      26                      27                      28                      29

1                      2                      3                      4                      5                      6                      7                      8 (1)

## BASIC CHORD TYPES

**4**

Major                      Minor                      Seventh                      Diminished                      Augmented

30                      31                      32                      33                      34

1,3,5                      1, min. 3, 5                      1,3,5,min. 7                      1, min. 3, dim. 5                      1, 3 aug. 5

# CHORD PITCH DRILL

Page 1

each pitch functions as 1,3,5 and 7 in a chord.

## C

Musical notation for the C major chord drill. It consists of a single staff in bass clef with a common time signature. The notes are: 1 (C), 2 (E), 3 (G), 4 (C), 5 (E), 6 (G), 7 (C), 8 (E), 9 (G). The notes are grouped into pairs: (1,2), (3,4), (5,6), (7,8), (9,10).

## G

Musical notation for the G major chord drill. It consists of a single staff in bass clef with a key signature of one sharp (F#). The notes are: 10 (G), 11 (B), 12 (D), 13 (G), 14 (B), 15 (D), 16 (G), 17 (B), 18 (D). The notes are grouped into pairs: (10,11), (12,13), (14,15), (16,17), (18,19).

## D

Musical notation for the D major chord drill. It consists of a single staff in bass clef with a key signature of two sharps (F#, C#). The notes are: 19 (D), 20 (F#), 21 (A), 22 (D), 23 (F#), 24 (A), 25 (D), 26 (F#), 27 (A). The notes are grouped into pairs: (19,20), (21,22), (23,24), (25,26), (27,28).

## A

Musical notation for the A major chord drill. It consists of a single staff in bass clef with a key signature of three sharps (F#, C#, G#). The notes are: 28 (A), 29 (C#), 30 (E), 31 (A), 32 (C#), 33 (E), 34 (A), 35 (C#), 36 (E). The notes are grouped into pairs: (28,29), (30,31), (32,33), (34,35), (36,37).

## E

Musical notation for the E major chord drill. It consists of a single staff in bass clef with a key signature of four sharps (F#, C#, G#, D#). The notes are: 37 (E), 38 (G#), 39 (B), 40 (E), 41 (G#), 42 (B), 43 (E), 44 (G#), 45 (B). The notes are grouped into pairs: (37,38), (39,40), (41,42), (43,44), (45,46).

## B

Musical notation for the B major chord drill. It consists of a single staff in bass clef with a key signature of five sharps (F#, C#, G#, D#, A#). The notes are: 46 (B), 47 (D#), 48 (F#), 49 (B), 50 (D#), 51 (F#), 52 (B), 53 (D#), 54 (F#). The notes are grouped into pairs: (46,47), (48,49), (50,51), (52,53), (54,55).

# CHORD PITCH DRILL

## Gb

Musical staff for Gb chord drill, measures 55-63. The staff is in bass clef with a key signature of two flats (Bb and Eb). The notes are: 55 (Bb, Eb), 56 (Eb, Gb), 57 (Gb, Bb), 58 (Bb, Eb), 59 (Eb, Gb), 60 (Gb, Bb), 61 (Bb, Eb), 62 (Eb, Gb), 63 (Gb, Bb).

## Db

Musical staff for Db chord drill, measures 64-72. The staff is in bass clef with a key signature of three flats (Bb, Eb, and Ab). The notes are: 64 (Bb, Eb), 65 (Eb, Ab), 66 (Ab, Db), 67 (Db, Bb), 68 (Bb, Eb), 69 (Eb, Ab), 70 (Ab, Db), 71 (Db, Bb), 72 (Bb, Eb).

## Ab

Musical staff for Ab chord drill, measures 73-81. The staff is in bass clef with a key signature of four flats (Bb, Eb, Ab, and Db). The notes are: 73 (Bb, Eb), 74 (Eb, Ab), 75 (Ab, Db), 76 (Db, Bb), 77 (Bb, Eb), 78 (Eb, Ab), 79 (Ab, Db), 80 (Db, Bb), 81 (Bb, Eb).

## Eb

Musical staff for Eb chord drill, measures 82-90. The staff is in bass clef with a key signature of three flats (Bb, Eb, and Ab). The notes are: 82 (Bb, Eb), 83 (Eb, Ab), 84 (Ab, Db), 85 (Db, Bb), 86 (Bb, Eb), 87 (Eb, Ab), 88 (Ab, Db), 89 (Db, Bb), 90 (Bb, Eb).

## Bb

Musical staff for Bb chord drill, measures 91-99. The staff is in bass clef with a key signature of two flats (Bb and Eb). The notes are: 91 (Bb, Eb), 92 (Eb, Gb), 93 (Gb, Bb), 94 (Bb, Eb), 95 (Eb, Gb), 96 (Gb, Bb), 97 (Bb, Eb), 98 (Eb, Gb), 99 (Gb, Bb).

## F

Musical staff for F chord drill, measures 100-108. The staff is in bass clef with a key signature of one flat (Bb). The notes are: 100 (Bb, F), 101 (F, Ab), 102 (Ab, Bb), 103 (Bb, F), 104 (F, Ab), 105 (Ab, Bb), 106 (Bb, F), 107 (F, Ab), 108 (Ab, Bb).

Bass Clef

# MAJOR SCALES AND ARPEGGIOS

1. **C**

This block shows the C major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is C major (no sharps or flats). The time signature is common time (C). The piece ends with a double bar line.

2. **C Sharp**

This block shows the C sharp major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is C sharp major (two sharps: F# and C#). The time signature is common time (C). The piece ends with a double bar line.

2A. **D Flat**

This block shows the D flat major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is D flat major (two flats: Bb and F). The time signature is common time (C). The piece ends with a double bar line.

3. **D**

This block shows the D major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is D major (two sharps: F# and C#). The time signature is common time (C). The piece ends with a double bar line.

4. **E Flat**

This block shows the E flat major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is E flat major (two flats: Bb and F). The time signature is common time (C). The piece ends with a double bar line.

5. **E**

This block shows the E major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is E major (three sharps: F#, C#, G#). The time signature is common time (C). The piece ends with a double bar line.

6. **F**

This block shows the F major scale and arpeggio in bass clef. The scale is written in two parts: an ascending line and a descending line, both in eighth notes. The arpeggio is shown in two parts: an ascending line and a descending line, both in eighth notes. The key signature is F major (one flat: Bb). The time signature is common time (C). The piece ends with a double bar line.

7. **F Sharp**

This block contains the musical notation for the F Sharp major scale and its arpeggio. The scale is written in bass clef with a key signature of two sharps (F# and C#). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

7A. **G Flat**

This block contains the musical notation for the G Flat major scale and its arpeggio. The scale is written in bass clef with a key signature of two flats (Bb and Eb). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

8. **G**

This block contains the musical notation for the G major scale and its arpeggio. The scale is written in bass clef with a key signature of one sharp (F#). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

9. **A Flat**

This block contains the musical notation for the A Flat major scale and its arpeggio. The scale is written in bass clef with a key signature of three flats (Bb, Eb, and Ab). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

10. **A**

This block contains the musical notation for the A major scale and its arpeggio. The scale is written in bass clef with a key signature of three sharps (F#, C#, and G#). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

11. **B Flat**

This block contains the musical notation for the B Flat major scale and its arpeggio. The scale is written in bass clef with a key signature of two flats (Bb and Eb). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

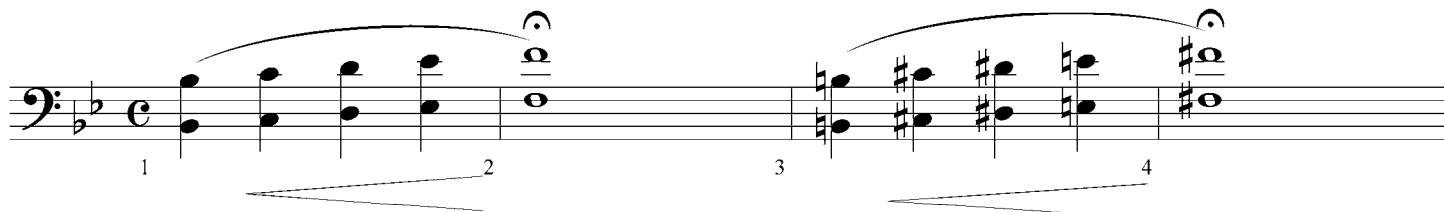
12. **B**

This block contains the musical notation for the B major scale and its arpeggio. The scale is written in bass clef with a key signature of two sharps (F# and C#). It consists of two measures: the first measure shows the ascending and descending scale runs, and the second measure shows the ascending and descending arpeggio. The arpeggio is marked with a '3' above the notes, indicating a triplet.

Bass Clef

# RANGE BUILDERS

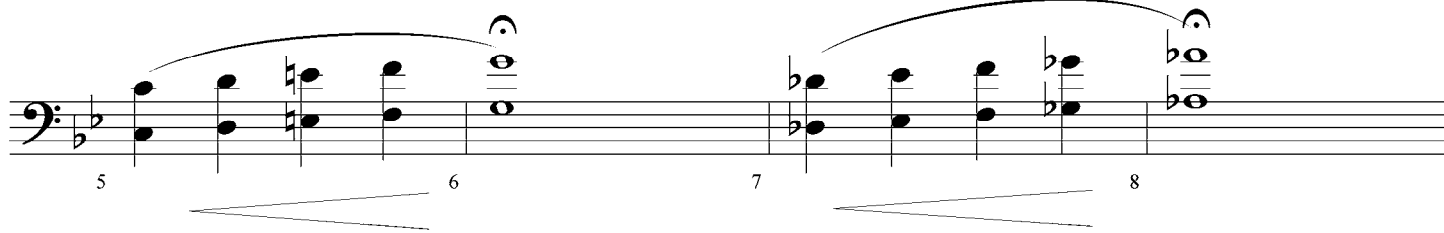
Play as many measures as possible.



1 2

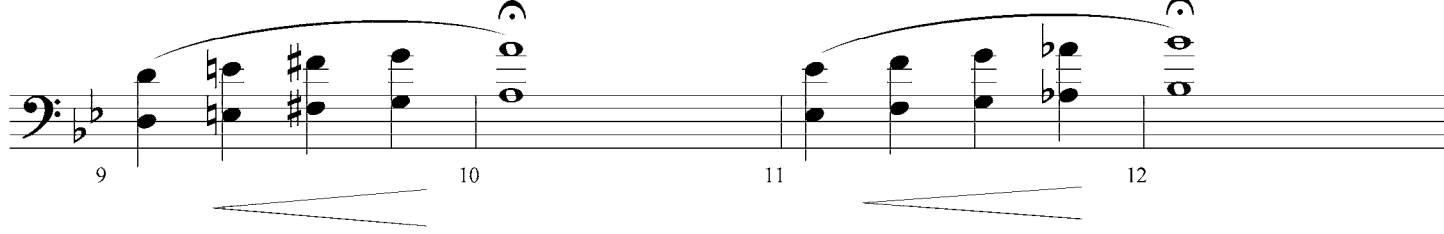
3 4

Two musical staves in bass clef, 2/4 time. The first staff contains measures 1 and 2, and the second staff contains measures 3 and 4. Each measure is a half note chord. Measures 1 and 2 are connected by a slur. Measures 3 and 4 are also connected by a slur. A double bar line is between the two staves.



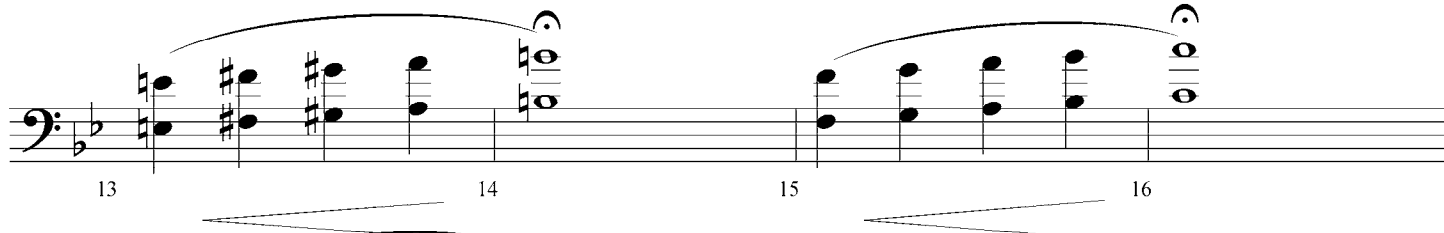
5 6 7 8

Two musical staves in bass clef, 2/4 time. The first staff contains measures 5 and 6, and the second staff contains measures 7 and 8. Each measure is a half note chord. Measures 5 and 6 are connected by a slur. Measures 7 and 8 are also connected by a slur. A double bar line is between the two staves.



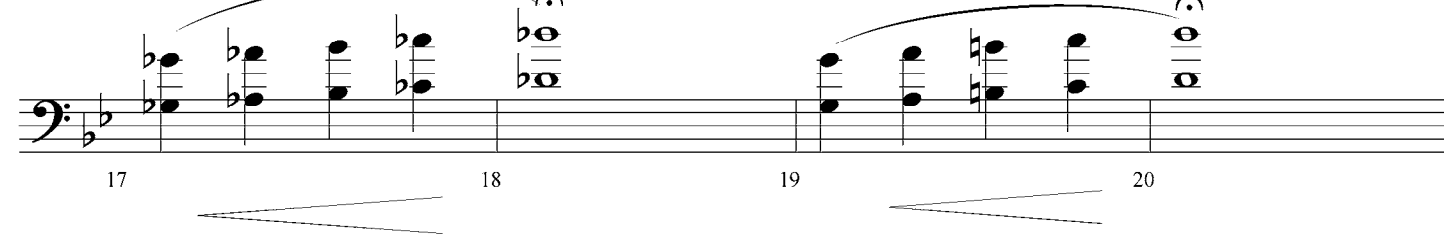
9 10 11 12

Two musical staves in bass clef, 2/4 time. The first staff contains measures 9 and 10, and the second staff contains measures 11 and 12. Each measure is a half note chord. Measures 9 and 10 are connected by a slur. Measures 11 and 12 are also connected by a slur. A double bar line is between the two staves.



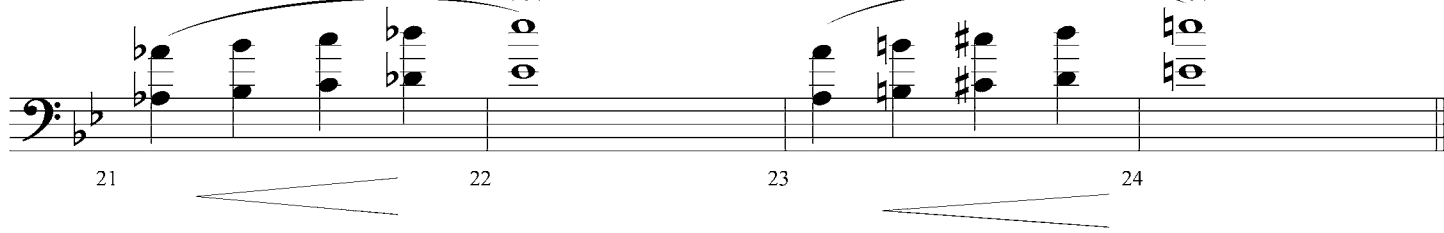
13 14 15 16

Two musical staves in bass clef, 2/4 time. The first staff contains measures 13 and 14, and the second staff contains measures 15 and 16. Each measure is a half note chord. Measures 13 and 14 are connected by a slur. Measures 15 and 16 are also connected by a slur. A double bar line is between the two staves.



17 18 19 20

Two musical staves in bass clef, 2/4 time. The first staff contains measures 17 and 18, and the second staff contains measures 19 and 20. Each measure is a half note chord. Measures 17 and 18 are connected by a slur. Measures 19 and 20 are also connected by a slur. A double bar line is between the two staves.



21 22 23 24

Two musical staves in bass clef, 2/4 time. The first staff contains measures 21 and 22, and the second staff contains measures 23 and 24. Each measure is a half note chord. Measures 21 and 22 are connected by a slur. Measures 23 and 24 are also connected by a slur. A double bar line is between the two staves.