

FUNDAMENTALS and DAILY WARM-UPS for STRING ORCHESTRA

1 BOW SPEED & LOCATION

Even: 1/2 bow 1/4 bow 4/4 bow 1/2 bow 1/4 bow 4/4 bow



Uneven Bow Speed: Use Whole Bow on Every Note

2



simile

3



4



5 DYNAMICS



p < *f* > *p* < *f* > *p* < *f* > *p* < *f* > *p* < *f* > *p*

6 FUNDAMENTAL RHYTHMS



7



8 (avoid accent on down bow)



9

Exercise 9 consists of two staves of music in the bass clef with a key signature of two sharps (F# and C#). The first staff begins with a dynamic marking of *V* (fortissimo) and contains a quarter note followed by a half note, then a double bar line. The second staff contains a continuous sequence of eighth notes grouped in triplets, with a '3' written below each group. The exercise concludes with a whole note rest.

10

Exercise 10 consists of two staves of music in the bass clef with a key signature of two sharps. Both staves feature a continuous eighth-note triplet pattern, with a '3' written below each group of notes. The exercise concludes with a whole note rest.

11 FINGER PATTERNS

12

Exercise 11 and 12 consist of two staves of music in the bass clef with a key signature of two sharps. Exercise 11 includes fingering numbers (0, 1, 2x, 4x, 0) and natural sign changes (♯) above the notes. Exercise 12 includes fingering numbers (4x, 2x, 1) and a natural sign change (♯) above the notes.

13

14

Exercise 13 and 14 consist of two staves of music in the bass clef with a key signature of two sharps. Both exercises feature eighth-note patterns with natural sign changes (♯) above the notes.

15

16

Exercise 15 and 16 consist of two staves of music in the bass clef with a key signature of two sharps. Both exercises feature eighth-note patterns with natural sign changes (♯) and first position markings (x1) above the notes.

17

Exercise 17 consists of two staves of music in the bass clef with a key signature of two sharps. It includes fingering numbers (0, x1, 2, -1, 2, 4, -1, 3, -4, 2, 1, -2, x1) and natural sign changes (♯) above the notes.

18 BOWING STYLES

Spiccato

Exercise 18 consists of two staves of music in the bass clef with a key signature of two sharps. The exercise is labeled 'Spiccato' and features eighth-note patterns with dots above the notes, indicating a spiccato bowing style. The exercise concludes with a whole note rest.

19 Staccato

20 Retake

simile

21 Collé (at frog or tip)

22 Martelé (hammer stroke)

23 Hooked Bow

simile

24 Louré or Portato

25 Arco v. Pizzicato

pizz. arco pizz. simile

26

arco pizz. arco pizz. simile

27 Long Tones

(arco)

28 DOUBLE STOPS

29

-1 2 2 4 4 2 -3 0 4

30 STRING CROSSING

0 0 0 0 0 3RD -1 3 0 3 0

31

0 0 0 0 0 3RD -1 3RD -1

(simile fingers)

3 0 3 0 32 0 0 0 0

3RD -1 3 0 3 0

33 SHIFTING 3 0 (stay on one string) 3 0 3 0 simile

34 3 0 8va 3 0 8va 3 0 8va simile

35 0 1 -1 3 1 0

36 1 -3 1 1 0 37 1 3 -1 1 0

38 0 -1 1 -1 0 39 0 -1 1 -3 1

40 0 -1 1 -2 1 41 0 -1 3 -1

42 3RD -1 (keep finger down) 4 3 1 43 3RD -1 4 1 1 1 1

G D
Crossing Strings in Position

44

4 -1 1 0 0 0

45 Shifting from Open String

0 4 0 -1 1 3RD 0 0 0 -3 3 0 3RD 0 1 0 -4

46

47

48

49 CHROMATICISM

0 2 0 -4 (hold) 1 - 1 - 1 - 1 - 1

50

51

1 - 1 - 1 - 1 - 1 1 - 1 - 1 - 1 - 1

52

53

1 - 1 - 1 - 1 - 1 1 0 x1 0 1 0 x1 0 1

54

55

2x 1 2 1 2x 1 2 1 2x 2x 1 2 1 2x 1 2 1

56

2x 2x 1 2 1 2x 1 2 1 2x

57

0 1 2 3 -1 2 #3 0 b1 2 3 #1 2 2 b1 -3 2 b1 0 #3 2 #1 -3 2 1 0