

KENDOR CADET STRING ORCHESTRA SERIES

Science Friday

GRADE 2 • DURATION 3:20

by Lorie Gruneisen

INSTRUMENTATION

- 1 - Full Score
- 8 - 1st Violin
- 8 - 2nd Violin
- 3 - 3rd Violin (Viola T.C.)
- 5 - Viola
- 5 - Cello
- 5 - Bass
- 1 - Piano (opt.)

EXTRA SCORES & PARTS AVAILABLE

To The Director

Your students will find the D minor tonality very appealing. Since flat keys can be more difficult for string players, a good way to prepare for this piece is to first play an F major scale. Then, explain that the key signature of the F major scale is the same as the D minor scale (relative major-minor), and have them play the D natural minor scale. Discuss how the mood or feeling can be different between the major and minor tonalities, even though they each employ the same notes.

There will need to be some preview of the special techniques (the “experiments”) that are included in this piece: double stops (1st and 2nd Violins), trills and col legno (Violins and Viola), and tremolo (Viola, Cello and Bass). When playing col legno, the students should turn their bows over and bounce the wood of the stick on the strings (measures 25-41).

In measures 65-81, the orchestra becomes a rhythm band with the instruments being struck in rhythmic patterns. The best way to do this is to hold the instrument normally (as when it is played), while setting the bow on the ledge of the music stand. The RH knuckles should knock on the right lower part of the front, or top of the body while the LH is damping the sound of the strings by gently resting on the strings over the fingerboard. Optional instruments can be substituted for the knocking for added fun.

The eighth notes in the final measures from 103-108 can be tricky for the violins and violas, and may need extra attention. 2nd Violin and Viola have identical notes, so they can rehearse together slowly, with special focus on the “barred” first finger notes occurring in the pattern (E-B). These can be marked with a bracket as a visual aid.

A recording of this piece can be downloaded at www.kendormusic.com

LORIE GRUNEISEN

With a BM in Music Education from the Crane School of Music at SUNY Potsdam and a MM degree in Violin Performance from the University of Connecticut, she has been a music educator for over 30 years. Mrs. Gruneisen has studied composition with Dr. Robert Washburn and Dr. Paul Steinberg, and has written music throughout most of her career. She is a member of numerous performing groups, a string adjudicator for NYSSMA, and currently teaches private violin and piano lessons.

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FULL SCORE

Bubbly ♩ = 132

1st Violin

2nd Violin

Viola (Same part provided for 3rd Violin)

Cello

Bass

Opt. piano part also included

Knock on body of instrument with knuckles

mp

mf

9

10

11

12

REPRODUCTION PROHIBITED

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Musical score for measures 13-16. The score is written for four staves (two treble and two bass). The key signature is one flat (B-flat). The time signature is 4/4. The music features a melody in the upper staves and a bass line in the lower staves. Measure 13 starts with a treble clef and a key signature change to one flat. Measure 14 continues the melody. Measure 15 has a treble clef change to one flat. Measure 16 has a treble clef change to one flat and a bass clef change to one flat. The score includes dynamic markings such as *mp* and *mf*, and articulation markings such as *V* and *L2*. A large watermark "FOR PREVIEW ONLY" is overlaid on the score.

Musical score for measures 17-20. The score is written for four staves (two treble and two bass). The key signature is one flat (B-flat). The time signature is 4/4. The music features a melody in the upper staves and a bass line in the lower staves. Measure 17 starts with a treble clef and a key signature change to one flat. Measure 18 continues the melody. Measure 19 has a treble clef change to one flat. Measure 20 has a treble clef change to one flat and a bass clef change to one flat. The score includes dynamic markings such as *mp* and *mf*, and articulation markings such as *V* and *L2*. A large watermark "FOR PREVIEW ONLY" is overlaid on the score.

Musical score for measures 21-24. The score is written for four staves (two treble and two bass). The key signature is one flat (B-flat). The time signature is 4/4. The music features a melody in the upper staves and a bass line in the lower staves. Measure 21 starts with a treble clef and a key signature change to one flat. Measure 22 continues the melody. Measure 23 has a treble clef change to one flat. Measure 24 has a treble clef change to one flat and a bass clef change to one flat. The score includes dynamic markings such as *mf* and *mf*, and articulation markings such as *V* and *L2*. A large watermark "FOR PREVIEW ONLY" is overlaid on the score.

25

*col legno**mp**col legno**mp**col legno**mp**f**f*

26

27

28

*mf**mf**f*

30

31

32

*mf**mf*

33

34

35

36

Musical score for measures 37-40. The score is written for five staves: two treble clefs, two bass clefs, and a double bass clef. Measures 37-40 show a complex rhythmic pattern with many sixteenth notes. A large purple watermark "FOR PREVIEW ONLY" is overlaid across the score.

Musical score for measures 41-44. The score is written for five staves. Measures 41-44 show a complex rhythmic pattern with many sixteenth notes. A large purple watermark "REPRODUCTION PROHIBITED" is overlaid across the score. The score includes dynamic markings such as *mf* and *f*, and articulation marks like accents and slurs. A box labeled "41" is present in the first measure.

Musical score for measures 45-48. The score is written for five staves. Measures 45-48 show a complex rhythmic pattern with many sixteenth notes. A large purple watermark "KendorMusic.com" is overlaid across the score. The score includes dynamic markings such as *ff* and *1/2 pos.*, and articulation marks like accents and slurs. A box labeled "41" is present in the first measure.

49

mf *L1*

mf

mf *L2*

mf

49 50 51 52

53 54 55 56

57 58 59 60

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Musical score for measures 61-64. The score is written for five staves: two treble clefs and three bass clefs. The key signature has one flat (B-flat). Measure 61 starts with a quarter rest on the first staff, followed by eighth notes on the second staff, and quarter notes on the third, fourth, and fifth staves. Measure 62 continues with similar patterns, including a sharp sign on the second staff. Measure 63 has a 1/2 pos. marking and fingerings 4 and 1 on the fifth staff. Measure 64 continues the pattern. A large purple watermark "FOR PREVIEW ONLY" is overlaid across the score.

Musical score for measures 65-68. Measure 65 includes the instruction "Knock on body of instrument with knuckles" and a dashed line. Measures 65-66 feature "Opt. Tambourine" and "Opt. Guiro" with *mp* dynamics. Measures 67-68 feature "Opt. Claves" with *mf* dynamics. The score is written for five staves: two treble clefs and three bass clefs. A large purple watermark "REPRODUCTION PROHIBITED" is overlaid across the score.

Musical score for measures 69-72. Measures 69-70 feature *mf* dynamics. Measures 71-72 feature "Opt. Cabasa" with *mf* dynamics. The score is written for five staves: two treble clefs and three bass clefs. A large purple watermark "KendorMusic.com" is overlaid across the score.

73

Opt. Woodblock

Musical score for measures 73-76. The score is written for five staves (two treble, two bass, and one alto). The key signature is one flat (B-flat). The tempo is marked *f* (forte). The notation includes various rhythmic values and rests. A large purple watermark "FOR PREVIEW ONLY" is overlaid across the score.

Musical score for measures 77-80. The score is written for five staves (two treble, two bass, and one alto). The key signature is one flat (B-flat). The tempo is marked *p* (piano). The notation includes various rhythmic values and rests. A large purple watermark "FOR PREVIEW ONLY" is overlaid across the score.

81

Musical score for measures 81-84. The score is written for five staves (two treble, two bass, and one alto). The key signature is one flat (B-flat). The tempo is marked *mp* (mezzo-piano) for measures 81 and 82, and *mf* (mezzo-forte) for measures 83 and 84. The notation includes various rhythmic values and rests. A large purple watermark "Kendormusic.com" is overlaid across the score.

FOR PREVIEW ONLY

85 86 87 88

f

f

f

f

f

REPRODUCTION PROHIBITED

89 90 91 92

93 94 95 96

mp

mp

mp

mp

mp

mp

Musical score for measures 97-100. The score is written for five staves (two treble clefs and three bass clefs). Measures 97 and 98 show a steady eighth-note melody in the upper staves. In measure 99, the lower staves enter with a strong *f* (forte) dynamic, featuring a four-measure rest in the first bass staff and a descending eighth-note line in the second. Measure 100 continues the eighth-note melody in the upper staves. A large purple watermark "FOR PREVIEW ONLY" is overlaid across the score.

Musical score for measures 101-104. Measures 101 and 102 continue the eighth-note melody. In measure 103, all staves transition to a new melody marked *subito mp* (subito mezzo-piano). The melody consists of eighth notes with accents. Measure 104 continues this melody. A large purple watermark "REPRODUCTION PROHIBITED" is overlaid across the score.

Musical score for measures 105-108. Measures 105 and 106 feature an *accel.* (accelerando) marking over the eighth-note melody. In measure 107, the dynamic changes to *f* (forte), and the melody is marked with accents. Measure 108 concludes with a *ff* (fortissimo) dynamic. A large purple watermark "KendorMusic.com" is overlaid across the score.