



OBOE TRIO - *Fractions in Music*

Description: Do your students ask how they will use math in the “real world”? This program demonstrates some of the many ways musicians use math whenever they perform. Students will see and hear how music changes as they multiply and divide the notes. See and hear the oboe and English horn.

Age Level: 8 to 10, Grades 3 and 4

Focus: Mathematics

Objectives:

- Students will identify the two parts of a fraction (numerator and denominator).
- Students will relate the trio and individual musicians to fractions and a whole number.
- Students will multiply fractions.
- Students will identify by sight and name various types of notes.

Musical Repertoire: *The Quadrille* by Evelyn McCarty
Variations on La ci darem la mano by Ludwig van Beethoven

In-school Performances: Can be performed for single classrooms or larger multiple classroom groups (maximum audience size of 125) either in a small classroom or larger assembly room. Arranged to meet the schedule of the school. Performances can be scheduled in multiple buildings in your district on the same day.

Dates and Prices 2010-2011 Season

In-school Performances

- Arranged to meet the school schedule.
- \$270 for the first performance of the day; \$200 for each additional performance on the same day. Maximum of 4 performances per day.

For performances outside Stark County, additional cost for mileage will be added to the first performance of the day.

To schedule, contact:

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Education Programs Manager

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www.cantonsymphony.org



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Standards and Indicators (Grade 3)

Mathematics - Number, Number Sense and Operations

- Represent fractions and mixed numbers using words, numerals and physical models.
- Compare and order commonly used fractions and mixed numbers using number lines, models, points of reference and equivalent forms using physical and visual models.
- Recognize and use decimal and fraction concepts and notations as related ways of representing parts of a whole or set.
- Demonstrate fluency in multiplication facts through 10 and corresponding division facts.
- Multiply and divide 2-and 3-digit numbers by a single-digit number.

Music - Creative Expression and Communication

- Read, write and perform using sixteenth notes, eighth notes, quarter notes, half notes and quarter rests in 2/4 and 4/4 meter.

Music - Analyzing and Responding

- Identify and demonstrate elements of music using developmentally appropriate vocabulary and music terms.
- Identify the four families of orchestral instruments visually and aurally..

Music - Valuing Music/Aesthetic Reflection

- Participate in developmentally appropriate music activities.
- Attend live music performances and demonstrate audience behavior appropriate for the context and style of the music performed.



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