

Musical Math

Kindergarten

Adapted by Heather Holifield

CORE SUBJECT AREA

Math

ART FORM + ELEMENTS

Music: Rhythm

MSCCR STANDARDS

K.OA.5 Operations and Algebraic Thinking
Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. Fluently add and subtract within 5.

MSCCR CREATIVE ARTS STANDARDS

MU: Pr6.1.K Convey meaning through the presentation of artistic work. Perform expressively, with appropriate interpretation and technical accuracy, and in a manner appropriate to the audience and context.

RECOMMENDED RESOURCES

"Music Note" chart that has pictures of the different music notes and the values of each (these can be found on Pinterest.com)

Music note cards from Amazon.com Math flashcards (addition and subtraction)

DURATION

30 minutes

LESSON SEQUENCE

The teacher will refer to a music chart to introduce the different music notes and the values of each.

The teacher and student will discuss each music note, the name of each note and the value of each note. (These charts can be found on Pinterest.com)

The teacher will choose four students to come up in front of the class and model addition or subtraction problems using music notes/values. (The teacher will use the smaller music note cards at this point in the lesson.

It is suggested to purchase these from Amazon.com or they can be teacher made by drawing each music note/name on one side of the card and the value of each on the other side of the card.)

The teacher will introduce a whole note (4 pulses/beats), a half note (2 pulses/beats), a quarter note (1 pulse/beat) and a quarter rest (1 pulse/beat) using a poster or a big chart for the students to refer to and see.

*The teacher may want to review math vocabulary "terms" with the students if they have not been introduced in a prior math lesson.

The teacher will choose four students to come to the front of the carpet or classroom and give two students a music note card, one student a math symbol card (this student will stand in the middle to determine if the

OBJECTIVES

The student will add and subtract fluently within 5
The student will identify music notes and their value

VOCABULARY

Music terms: Whole note, half note, quarter note, quarter rest, pulse, beat, rhythm

Math terms: putting together, taking apart, sum, difference, plus, minus

MATERIALS NEEDED

Music notes and values of each on poster board or a chart (this needs to be big to post in the room and can be found on Pinterest.com)

Music note cards (these can be purchased from Amazon.com printed and laminated OR the teacher can draw the music note/name on one side of the card and write the number value of the music note on the back of the card)

Addition and subtraction symbol cards (can be teacher made)

Small dry erase board with a marker

Math manipulatives such as linking cubes or teddy bear counters

problem is addition or subtraction) and one student a small dry erase board.

The student will add or subtract the two music note values on each card to get the sum or the difference.

The fourth student will be responsible for writing the sum or difference on the dry erase board.

Examples of problems:

whole note (4 pulses) + quarter note (1 pulse) = 5 (addition)

whole note (4 pulses) - quarter note (1) = 3 (subtraction)

*Students can check the number value of each music note on the back of each note card.

TEACHER CHOICE: Students could use math manipulatives to also add or subtract the numbers if needed.

The teacher will check with the class to be sure each group solves the problem correctly.

The teacher will continue to call students up to model addition and subtraction problems using music notes and their value

EXTENDED LEARNING ACTIVITIES

The teacher could have students add 3 numbers (3 music notes) to get the sum.

The students could create patterns using the music notes. (AB pattern, AABB pattern)

SOURCES

Heather Holifield Poplar Springs Elementary

Rachel Pomeroy Poplar Springs Elementary

MSCCR Music and Math Standards

Amazon.com - laminated music note cards

Pinterest.com - music note charts

TIPS + FREQUENTLY ASKED QUESTIONS

Be sure students have a good understanding of adding/ subtracting numbers prior to this lesson.

