



ARTS

& Learning KIDS

ARTS + ACADEMIC EXTENSIONS

GRADES 1 & 2 | MATH/MUSIC

Singing Scales and Number Paths

In this lesson, students will sing and do yoga! They will learn about the notes in a scale and relate them to a number path. Then, they will use this understanding to complete number bonds and solve for missing numbers in addition and subtraction problems.

Connected Objective: The progression of notes in a major scale is compared to a number path. The number path is used to understand how subtraction and addition fit together when a number is broken into parts.

Materials Needed During Episode: None.

Standards:

CCSS.MATH.CONTENT.1.OA.B.4

Understand subtraction as an unknown-addend problem. For example, subtract $10 - 8$ by finding the number that makes 10 when added to 8.

MU:Cr1.1.1.a. With limited guidance, create musical ideas (such as answering a musical question) for a specific purpose.

Art Extensions:

Make a Scale Caterpillar

- Each body bubble is a note on the scale.
- Allows students to identify the 8 notes.

Materials:

- Scissors
- Glue
- paper
- Markers

Directions:

- Cut out 9 circles.
- Label 8 circles with notes of the scale.
- Draw a face for your last circle.
- Connect the body together in order of the scale.
- Be creative!





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Make a Number Path at Home

Make your own number path using:

- Chalk on the sidewalk!
- Masking tape on the carpet!
- Paper plates in the floor!

Use your giant number path to solve problems and remember to sing as you move along!

Academic extensions:

1. Reflection Questions:

- How is everyone feeling today? Teachers can choose their own check in and ask some students to share.
- Which breathing activity was your favorite and why?
- How do you overcome your fear of math?
- How do you feel when you are singing your favorite song?
- How can number bonds help us with addition and subtraction?
- Have you used number bonds before? How was your experience with them?

2. Make Your Own Number Bond:

- Fill in two of the parts and then use what we learned about number bonds to fill in the missing number. Write all of the math sentences you can think of using those three numbers.
- Don't forget to use your number path to help you solve your math sentences.
- Make your notes go up for addition and down for subtraction.

3. Extras:

Sound of music "Doe a deer" song:

<https://www.youtube.com/watch?v=5fH2FO1V5g>

Here are some sample giant number paths:

