

# ADVANCED LEARNING LABS

Collaboration between NC Department of Public Instruction and AIG Teachers across the state

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

K-1

## Creativity



### ENGLISH LANGUAGE ARTS

Creativity is displayed in many forms. Writers show creativity through words that people can read. Every writer is first a reader. Reading books by great authors and studying their craft can spark an idea or provide inspiration for your own writing.

For inspiration read *Hailstones and Halibut Bones* by Mary O'Neill, a collection of poems about color.

Begin with a brainstorm about your favorite color:

- What things are that color?
- What would that color sound like?
- What would that color taste like?
- What would that color feel like?
- What emotions does that color make you feel or symbolize for you?
- What would that color smell like?

Put your thoughts together and write a poem. Use words that suggest feelings and describe the senses.



### SOCIAL STUDIES

Create your own national holiday!

National holidays reflect events that have patriotic significance in a people's history. Think about something important in your life that you feel should be celebrated each year.

- What will you name your holiday?
- What traditions will be a part of your holiday?
- What types of food will you eat?
- What activities will you do?

Draw a picture of the holiday you created being celebrated.



### SCIENCE

Water can serve as a vehicle for movement. Pigments in a black marker will separate when water hits them because they have different shapes and sizes. This is called chromatography.

Creative Chromatograph Activity:

1. Use a black marker to design and color the outer edge of a coffee filter.
2. Fold the coffee filter in half. Fold it in half again. Fold it in half once more.
3. Pour  $\frac{1}{4}$  cup of water into a bowl.
4. Place only the pointed tip of the folded coffee filter into the water.
5. Observe what happens when the water reaches the black marker.

Now open the filter, and record answers to the following: What do you notice? What colors do you see? How did the water move the color? Why did a black marker make color?



### MINDFULNESS

Rainbow Walk!

Show your creativity as you walk through your house, backyard, or neighborhood. Try to find an object for each color of the rainbow as you are walking. Look for something red, orange, yellow, green, blue, and purple.

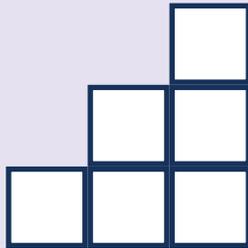
Now try to connect an emotion to each color. For example, maybe you feel peaceful when you look at a certain color. Create a book to show your thoughts. Draw the object you found for each color and write the emotion word you feel fits it.



## LOGIC PUZZLE

Use a set of blocks or legos that are the same size to help you solve this puzzle.

The highest step in a set of stairs is 3 cubes high. It takes 6 cubes to make the stairs. They look like this:



- How many cubes will it take to make stairs where the highest step is 4 cubes high?
- What about 6 cubes high?
- What about 8 cubes high?
- Can you find a pattern?



## FIELD STUDIES

An art museum is a place people visit to see work that others have created. Paintings, drawings, sculpture, textiles, and photographs are all ways to show creativity. Pick one work of art from the virtual display at the North Carolina Museum of Art: <https://learn.ncartmuseum.org/artwork/>

Reflect on the following questions:

- How does the art make you feel?
- What lines and shapes do you notice in the artwork?
- What questions do you have about the artwork?

Challenge: Use the artwork as a spark for your own creativity. Create a piece of art in a similar style OR write a story that uses the artwork as inspiration.



## RESEARCH EXPLORATIONS

There are different ways to be creative.

- You can think of many ideas fast.
- You can think of unique ideas no one else thinks up.
- You can think of many uses for one idea.
- You can think of lots of details about your ideas.

Think about an everyday object you might find in your house, maybe a spoon, cup, rock, or string.

Brainstorm new uses for this object.

- How many ideas can you think of?
- Pick one unusual way to use the object.
- Make a plan to carry out this idea. You might need to create a diagram, gather materials, or add details.
- What are other ways to be creative with what you have around you at home?



## MATH

Let's go on a scavenger hunt for shapes around your house that you can trace. Ideas include a coaster (circle or square), cup bottom (circle), picture frame (rectangle), bowl (circle). Can you find something that is shaped like a triangle?

Gather these things and trace them on a large sheet of paper. You can overlap your tracings. Label the shapes. Did you make any new shapes by joining the shapes?

Color your tracings any way you want or turn the shapes into things like animals, cars, and people. You now have some mathematical art to share with family and friends.



North Carolina Department of  
**PUBLIC INSTRUCTION**



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K-12

## Creativity Reference Guide

### **K-1 Logic Puzzle:**

Solution 4 cubes high = 10

6 cubes high = 21

8 cubes high = 36

### **2-3 Logic Puzzle:**

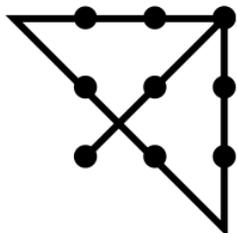
How to Create Your Own Sudoku: <http://www.sudokuessentials.com/create-sudoku.html>

### **4-5 Logic Puzzle:**

Developing Your Own Logic Grid Puzzle:

<https://www.thesprucecrafts.com/how-to-make-solve-logic-puzzle-2809337>

### **6-7 Logic Puzzle:**



### **8-9 Logic Puzzle:**

Solution to Lateral Thinking puzzle: She was returning an overdue library book.

<https://puzzles9.com/18-challenging-lateral-thinking-questions-and-answers/>

### **10-12 Logic Puzzle:**

Solution: start, finish, F, C, G, start, C, B, A, D, F, E, A, finish.

<https://www.mathsisfun.com/puzzles/path-plodding-puzzle-solution.html>

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## Creativity NC Standards Alignment

Grade Span	English/ Language Arts	Social Studies	Science	Math
<b>K-1</b>	RL.1.4	1.H.1.3	1.E.2.1	NC.1.G.2
<b>2-3</b>	SL.3.5	3.E.2.1 3.I.1.10 3.E.1.1	3.P.1.1	NC.2.G.1
<b>4-5</b>	W.5.3	5.C&G.1.1 5.I.1.7 5.I.1.8 5.I.1.9 5.B.1.2	5.P.1.1	NC.4.MD.6
<b>6-7</b>	W.6.3	6.H.1.3	6.E.2.4	NC.7.SP.7
<b>8-9</b>	RL.8.7	8.H.3.2 8.H.3.3	EEn.2.2.2	NC.M2.A.SSE.1
<b>10-12</b>	W.11-12.3	USH.H.3.4 B.CX.1.3	Bio.2.2.2 ITSE 4a	NC.M3.A-APR.3