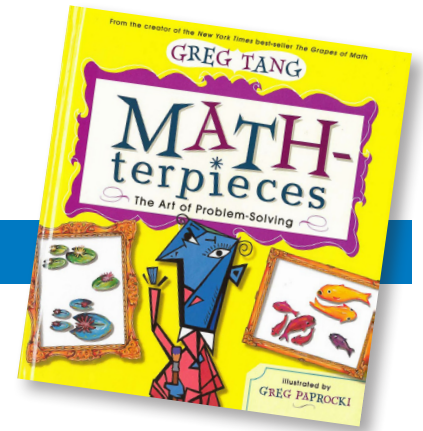


# Math-terpieces: The Art of Problem-Solving



## RIF EXTENSION ACTIVITIES FOR EDUCATORS

STEAM-THEMED: SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATH

### SCIENCE

#### CREAMY, COOL COLORS

Ingredients: vanilla yogurt, food coloring, fruit or granola to top (optional)

Have fun mixing colors you can eat! Pour a large container of vanilla yogurt into three bowls. Using food coloring, color one bowl red, one blue, and one yellow. Mix the colors together. Talk about what colors your combinations make. Record your findings on the board. Afterward, let each child enjoy a colorful snack!



### TECHNOLOGY

#### AN ADVENTURE IN ART

Explore the National Gallery of Art's interactive kids' page ([www.nga.gov/kids](http://www.nga.gov/kids)). Kids can browse through some of the world's most famous paintings and even create their own masterpieces!

### ENGINEERING

#### CONSTRUCTION ZONE

Materials: craft sticks, glue, paint or markers

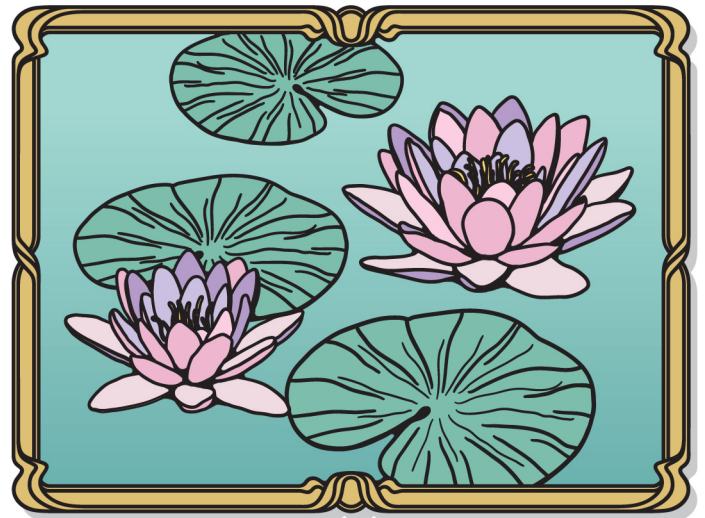
Build a frame for a picture. Use craft sticks for the frame's base. Have children bring in or draw their own pictures, then measure how many craft sticks they will need to frame the picture on all four sides. Glue the sticks together using craft glue. Let dry. When dry, paint or use markers to decorate the frame. Attach the frame to the picture and display!



### ART

#### MASTER IN THE MAKING

Have students choose one of the artists from the book to serve as inspiration for a drawing or painting. Students can draw a pond of water lilies like Monet or a bowl of fruit like Cézanne. Be creative! For students with advanced writing skills, give them the option of writing a poem or a story based on one of the works.



### MATH

#### ADD IT UP!

Give each student a snack-sized bag of colored candies for some math fun! Have students empty their bag of candies and sort by color. Choose a number. Have students look to see which colors can be combined to make that number. Can any other colors be combined to make the same number? How many different ways can they make that number? Choose another number, repeat, then eat!



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