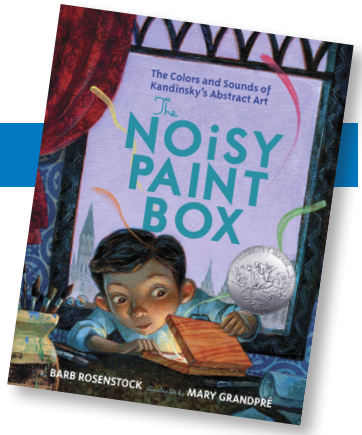
The Noisy Paint Box



RIF EXTENSION ACTIVITIES FOR EDUCATORS

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

SCIENCE, ART
COLORFUL CHEMICAL REACTIONS

Materials: shallow pan, baking soda, spray bottle, vinegar, different flavors of powdered drink mix

Spread an even layer of baking soda in a shallow pan. Let kids make designs on top of the baking soda using the powdered drink mixes. Spray with vinegar. Observe the reaction that occurs.

TECHNOLOGY, ART
DIGITAL DESIGNS

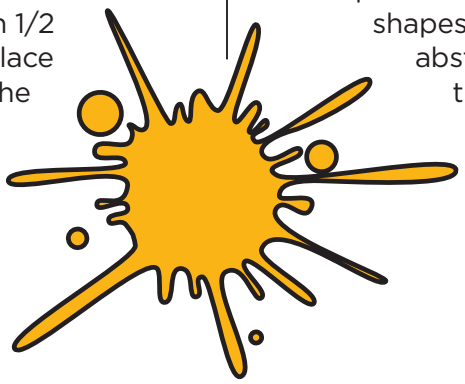
Let your students try creating their own piece of digital abstract art by logging on to **www.nga.gov/kids.**

The National Gallery of Art offers an online painting machine called Brushter. Students can make digital masterpieces using over 40 different brushes, a palette of colors, and several different special effects. Give students the same broad prompt, like "nature" or "family," and see how different their abstract paintings are.

ENGINEERING, SCIENCE
3, 2, 1...SPLATTER!

Materials: film canisters, fizzing antacid tablets, tempera paint, water, large piece of paper

This is an outside activity. Help your students create mini rockets that leave colorful blasts behind. Fill a film canister 3/4 full with watered down tempera paint. Drop in 1/2 a fizzing tablet. Put on the cap and place the canister lid side down on top of the paper. Be sure to have everyone stand back at least 10 feet. The "rocket" should launch after about 10 seconds, leaving behind a colorful display. Students can easily take turns being the engineers of this project.

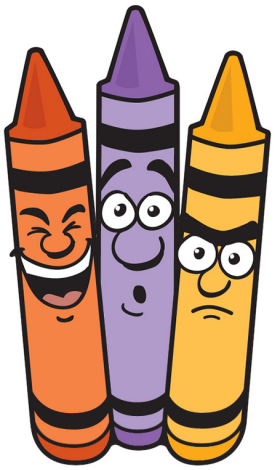


ART
MUSICAL MASTERPIECES

Play some of Wagner's opera *Lohengrin* for students. Let them practice visualizing while listening to the music. Next, provide markers or paint and let students draw what they saw while listening. Have them share their pictures. Are there any similarities or themes? What colors did most students use? Try some other music genres. How does the type of music change the images the students draw?

THE CRAYON BOX

How many colors mentioned in the book can be found in the large box of 64 crayons? Let students explore the box of crayons and then practice using different colors. Have them describe the pictures they draw using the color names on the crayon sleeves.



MATH, ART
GEOMETRIC ART

Have students revisit the last page of the story with the little girl viewing a Kandinsky painting. How many geometric shapes are used in this painting? Why do artists use shapes in art? Have students practice using shapes to create their own pieces of abstract art. Then, let students share their geometric art creations and explain the feelings behind each of the pictures.

RIF
Reading Is Fundamental