

The Day the Crayons Came Home

RIF EXTENSION ACTIVITIES FOR EDUCATORS

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

SCIENCE, TECHNOLOGY, ENGINEERING

GLOW THE DISTANCE

Let students take turns taking the book into a dark area to look at the glow-in-the-dark page. Why do they think this paint glows? Explain that *phosphorescent* paint absorbs energy from light and then slowly releases that energy as light. Some plants and animals also glow in the dark. Can students think of any examples? Divide students into groups and have each group research one kind of *bioluminescent* plant or animal. Where does it live? How and why does it glow? Have groups share their findings, then watch this short video: <http://channel.nationalgeographic.com/videos/bioluminescence-on-camera>.



TECHNOLOGY E-PISTOLARY

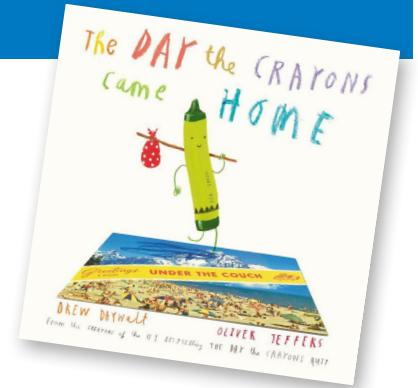
A book written as a series of letters is described as *epistolary*. What would a modern epistolary book look like? Would it be a series of emails? Text messages? Blog posts? Tweets? Video chats? Choose a partner. Pick a classic story or fairy tale. Work together to recreate your story as an epistolary book told through modern technology.

ENGINEERING, ART JUST IN CASE

Materials: scrap materials, glue or tape, paper, markers

Duncan builds a crayon fort for his crayons so they'll always feel at home. Think of an item or items you lose often, like keys, pencils, or hair clips. Sketch a design for a case or container to store these items so you'll never lose them again. Think about special features you can add to make your case as useful and easy to use as possible. Then, use scrap materials to build a model of your

design. Your model should actually be able to store items just like your design.



ART

PLAYING FAVORITES

Materials: large index cards, markers or crayons, pens

Postcards usually feature famous or exciting places, landmarks, or events. What's the coolest part of your town? On a large index card, draw a picture of your favorite thing about where you live. It could be a beautiful building, a nice park, or a fun festival—anything you think represents the best part of your town. On the back of the card, write a description of your picture and explain why it's your favorite thing about where you live. Then, mail the card to a relative or friend who lives far away.

MATH, ART

THINK INSIDE THE BOX

Materials: 64 color box of crayons

For younger students: Give small groups of students a 64 color box of crayons and have students practice sorting by color and making patterns.

For older students: Ask students to use the box of crayons to write 3-5 word problems to trade with a partner and solve, or to use the crayons to create addition or subtraction equations.



Reading Is
Fundamental