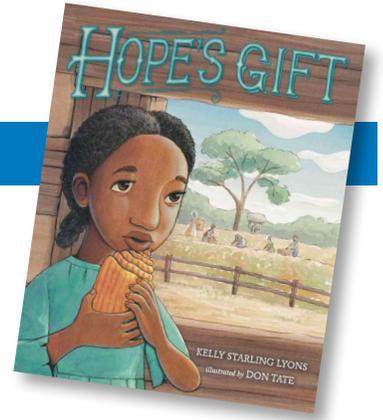


Hope's Gift

RIF EXTENSION ACTIVITIES FOR EDUCATORS

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

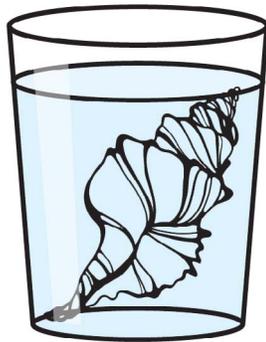


SCIENCE

SEASHELL SOAK

Materials: seashell, vinegar, glass, paper towel, paper, pencil

Let students examine a seashell. Have them sketch it and write at least 5 sentences to describe it. Explain that shells are the exoskeletons of mollusks and are made up of primarily calcium carbonate. Have students brainstorm what that might mean. After observing, place the shell in a glass and cover with vinegar. Observe once a day for a week; record observations. Did the shell change? Discuss why these changes might have occurred.



TECHNOLOGY, SCIENCE, ART

LET'S TALK ABOUT IT

Not being able to communicate with Papa was hard for Hope and her family. How did people keep in touch during Civil War times? Have students work together to create an illustrated timeline that shows how modes of communication have developed and changed since the Civil War. Ask each student to write about what communication tool is most valuable to them today and why.

ENGINEERING, SCIENCE, ART

MARBLE-OUS MAZE

Materials: 2 c. flour, 1 c. salt, 1/4 c. corn starch, 1/4 c. white glue, water, bowl, paper towel tubes, blocks, tape, glass marbles

Mix flour, salt, and corn starch in a bowl. Pour in glue and stir. Add water gradually until it forms a clay-like dough. Remove from the bowl and have students form marbles like Henry's. Let the marbles dry overnight. Have students construct "marble maze runs" with tubes and blocks. Compare how the clay and glass marbles travel through the maze. Which is faster?

ART

FREEDOM FLAG

Materials: construction paper, old magazines, markers, glue, scissors, paint

Give students the following prompt: "How would you illustrate freedom?" Let students use different mediums to create freedom flags that show their ideas about freedom. Have students share and explain their flags.

MATH, TECHNOLOGY

STORY DETECTIVES

Problem: Using clues from the text, determine a date for when Papa left the plantation and when he returned. How long was he gone? Can you determine where and how far he traveled?

Practice: Let small student groups use the text and internet to search for clues to answer the problem. Groups should record their thought process and map out how they came to their conclusion. When finished, groups should compare their dates with other groups. Groups should be prepared to defend their answers.



Reading Is Fundamental