

Sunday Shopping

RIF EXTENSION ACTIVITIES FOR EDUCATORS

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

SCIENCE, MATH CLEAN IT UP!

Materials: loose change, old rags, 1/4 cup vinegar, 2 teaspoons salt

Compare a new coin with an old one. What changes has the old coin undergone? Discuss with students why coins might change appearance over time. Let students see if they can get some coins back into mint condition by using salt and vinegar. (As a side note, ask students to guess what “mint condition” means and where the phrase originated.) In a small bowl, stir salt into vinegar until dissolved. Let students place old coins in the solution for 30 seconds. Remove coins and rub with an old rag. Observe changes and discuss why this solution is effective. What materials are coins made of?



TECHNOLOGY, MATH BIZ WIZ

Let your students try their hands at shopping for supplies and running their own coffee shop! In this fun game, they'll learn about supply and demand, working within a budget, and loss or profit:

www.coolmath-games.com/O-coffee-shop.

After they've played, put groups into teams and ask each team to use what they've learned to create a basic business model for a coffee shop or other store they want to open. They should think of a company name, a product or service, a market to target, and some of the initial challenges and costs they'll face.

ENGINEERING, SCIENCE, MATH TOWER POWER

Materials: newspaper, scissors, tape, yard stick

Have students work together in small groups to design the tallest tower possible using the materials provided. Allow students 20-30 minutes to brainstorm and test out possible ideas. Once students have created a plan, have them use

another set of identical materials to construct their final design. Whichever group creates the tallest tower wins!

ART DOLLAR DESIGN

Materials: dollar-sized paper, pencils, markers

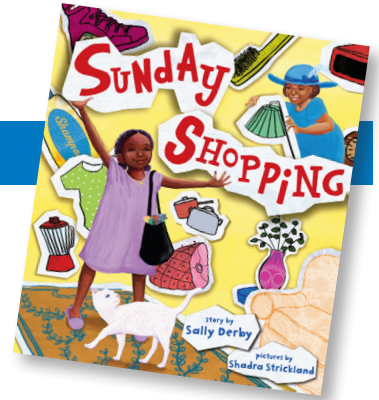
The federal government wants your students to design a new \$3 bill. Which important American deserves to have his or her face on a brand new bill? Each student or small group should come up with a new face for the bill along with landmarks and sayings that represent our country. They should explain their reasoning behind each choice. Encourage students to think about what type of security features they'll add to make sure the new bill won't be *counterfeited*.

MATH SHOPPING SPREE!

Materials: newspaper ads

Give each student a budget. Allow students to “shop” using the ads. For an extra challenge, you might set a guideline such as 60% of items bought have to be “need” items and 40% can be “want” items.

Students should show a running declining balance and list each item to be purchased. They should spend as much of their entire budget as possible without going over.



Reading Is Fundamental