

Island Birthday

RIF EXTENSION ACTIVITIES FOR EDUCATORS

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

SCIENCE

FOGGY BOTTLES

Materials: 2 clear plastic bottles with label removed, water, ice cubes

Fog was one of the weather factors that could keep the plane from landing on the island. To show how fog forms on land, fill two bottles with water, one with cold water and one with hot. Let sit for 1 minute. Pour all but a small amount of water out of each bottle. Place an ice cube into the mouth of each bottle. Have students observe and record the results. Did the results differ for the two bottles? Discuss how warm surface temperature combines with cold air to produce fog.



TECHNOLOGY, SCIENCE

FLYING HIGH

Visit www.youtube.com/watch?v=xOobgdLitBU for a pilot's view of what it's like to land on an island in Maine. This is the same island where the author lives. What observations can you make? Did watching this video frighten you, or did it make you want to learn how to fly a plane? Do you think small airplanes are more or less affected by weather conditions than larger airplanes? Explain your answer. What steps do you think you'd need to take in order to become a pilot?

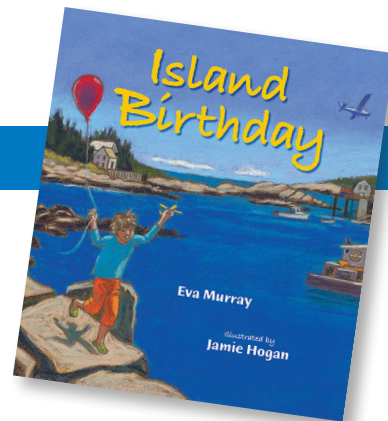
ENGINEERING, SCIENCE

SOCK IT TO ME

Materials: construction paper, stapler, markers, tape, streamers, string, hole punch, scissors

Decorate the paper with a design. Roll the paper and staple the edges together to form a long cylinder shape. Punch four holes evenly around the top of the cylinder. Tie string of equal lengths into each hole. Cut streamers and attach them to the bottom of the cylinder for the "tails." Hang your windsock from a pole or tree and watch it blow in

the wind. Why is knowing which way the wind is blowing important?



ART, TECHNOLOGY

STAMP IT OUT

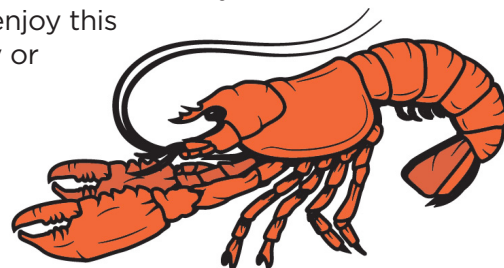
Materials: scrap paper, glue stick, scissors, markers

Design a stamp that symbolizes something important or interesting to you. Like the airplane stamp that Riley saw, create your drawing upside down. Be sure to create the stamp border and include how much the stamp is worth. To see examples of recent stamps for inspiration, visit www.usps.com/stamps. Who do you think picks what pictures go on stamps every year? Go to <https://about.usps.com/who-we-are/csac/welcome.htm> to find out!

MATH

A LOOK AT LOBSTERS

Lobster traps cost around \$50.00 each. Lobstermen earn about \$3.00 for every lobster sold to a lobster pound. How does that compare to what the customer pays? Have students research to find the current price of lobster at the grocery store. If a lobsterman catches an average of two lobsters in his trap every day, how long will it take him to pay off the cost of his traps? Show your work. How many traps do you think you would need to make a living as a lobsterman? Do you think you'd enjoy this career? Why or why not?



Reading Is
Fundamental