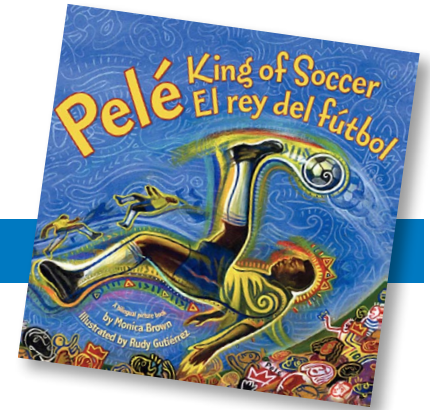


Pelé, King of Soccer

EL REY DEL FÚTBOL



RIF EXTENSION ACTIVITIES FOR EDUCATORS

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

SCIENCE

COMPARING KICKS

Materials: beach ball, soccer ball, playground ball

Let students examine the surface area of each ball. Discuss how each is different. Have students predict which ball will travel the most direct path when kicked.

Let students take turns kicking each of the three balls at a target. Have them record which ball was easiest to aim at the target. Combine student results. Which ball was most likely to hit the target? Which was least likely? What factors do students think contributed to how each ball traveled?



TECHNOLOGY

POWER OF PREZI

Have students view this Prezi about Pelé: <http://prezi.com/ox7rfdvo6ska/edson-arantes-do-nascimento>. Have them create their own Prezi either about Pelé or about another famous athlete of their choice. What can they improve on from the Prezi they watched?

ENGINEERING

HAVING A BALL

Pelé and his friends came up with creative ways to play soccer when they did not have a ball. Have students work in cooperative groups to come up with their own homemade ball solutions. What materials will they need to gather? Have them plan, construct, and then demonstrate their ball to the class. Compare the different balls each group made. Could any ideas be combined to create a new ball?

ART

JERSEY MANIA

Materials: paper, fabric markers, plain t-shirts (optional)

World Cup players wear jerseys that are inspired by the flags of their countries. Have students choose a country and research to find its flag and other interesting facts about the country. On paper, have each student design a jersey for the soccer team. What colors need to be incorporated? Is there something unique about that country that could be added as a design feature on the jersey? When finished, have students paint their designs onto plain t-shirts.

MATH

SOCCER BALL CHALLENGE

Materials: soccer ball, ruler

Have students use the materials provided to find a solution to the following question: How many soccer balls would it take to cover a soccer field? Brainstorm first what information students need to solve this problem. One clue: A field is 330 feet long and 50 meters wide. Students will need to convert to one form of measurement, measure, and multiply to find the answer. Have students show their thinking and be prepared to share and explain their answers.



Reading Is Fundamental