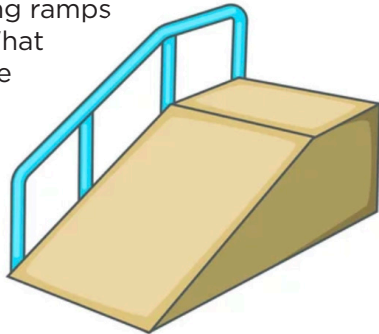


A Bike Like Sergio's

RIF EXTENSION ACTIVITIES FOR EDUCATORS

Interdisciplinary Themes: Art, Community Service, Engineering, Social Studies, Writing

Build Your Own Ramp: Many cyclists like to have fun with ramps. Using any materials you have available (e.g., cardboard, blocks, Styrofoam), have your students build their own ramps and have fun rolling a ball down them. Practice building ramps at different angles. What impact does the angle have on the speed? Line the ramps with different materials (e.g., sandpaper, felt, tinfoil). What impact does the material have on the speed?



Money for a Cause: Tell your students to imagine that someone will give them \$10,000, but only if they will spend it on someone they'll never meet or for a charitable cause. Have your students research a cause or charity that they are passionate about to decide how they would spend the money. Then write a letter that explains the donation to the recipient (i.e., why they chose them, what they hope they'll do with it).



History of the Bicycle: Have your students check out the history of the bicycle - <https://kids.britannica.com/students/article/bicycle/273207> (or search for "bicycle history") to learn about how the bicycle was invented and how it became what it is today. Then have your students create a timeline for the history of the bicycle. Encourage them to include fun drawings of the original bicycle designs.



Design Your Own Bike: Tell your students that they each get to design a new bike and it can do anything! What features would their new bike design include? First have your students draw a picture and then write about their new bike design.

