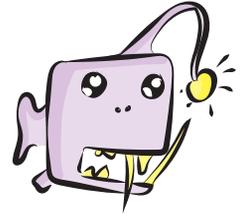


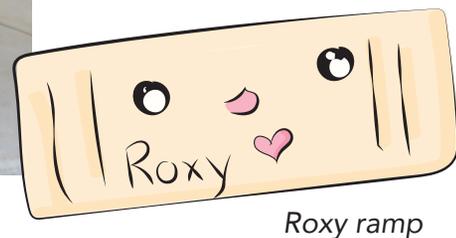
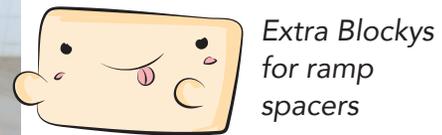
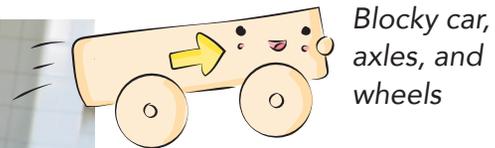
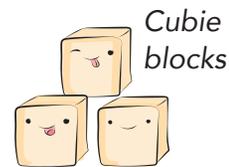
Practice using the scientific method



Now that you are familiar with the steps of the scientific method, try it out for yourself by designing a mini experiment that you can complete in an hour. This will be great practice for using the scientific method in preparation for a science fair project. Your mini project won't be related to reefs, but you can apply all of the same techniques to ask a question, design an experiment and measure data using Blocky car.

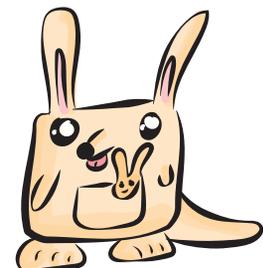
What you'll need:

You can use a variety of materials from the STEMtaught supply shelf including Blocky car, Roxy ramp, the wooden marbles and Cubie blocks. You'll also need a Mezzie measuring tape to help you measure your results.



What you'll do:

1. Ask a scientific question that you can answer using these STEM materials.
2. Design an experiment to help you answer your question.
3. Perform the experiment and measure your results.
4. Analyze your results and draw conclusions.



Go Blocky Car!

Follow the steps of the scientific method to design an experiment with Blocky car.



Step 1:

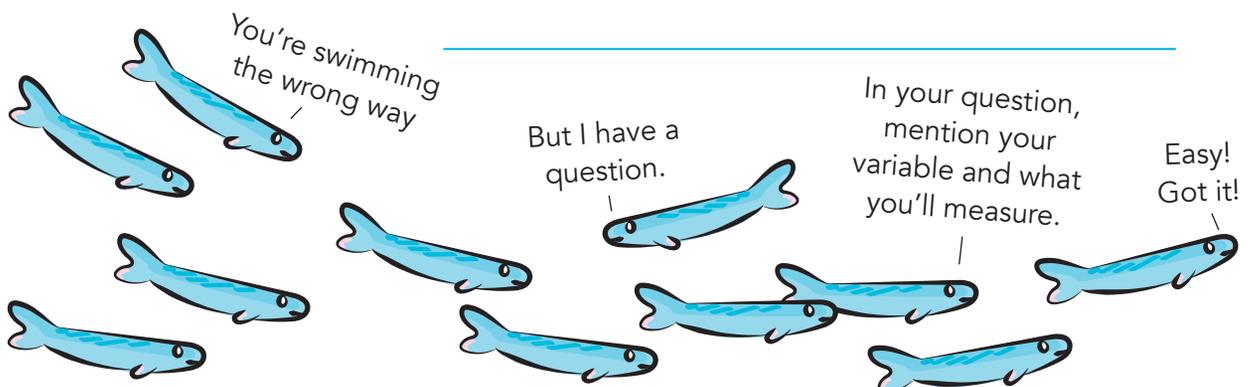
Make an observation and ask a scientific question

Take a look at the materials you have to work with for this experiment. Think about what you could do with a car, ramps and wooden Cubie blocks. Choose a question to investigate from the questions below or make one of your own.

What will you measure in your experiment?

What experimental variable will you vary in your experiment?

Write the guiding question for your experiment.





Step 2:

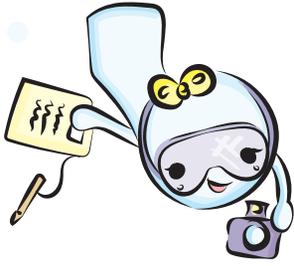
Make a prediction and design an experiment

How will you change your experimental variable? What parts of your experiment will you hold constant.

Design your experiment here. What will you measure? What do you think will happen?

Draw a picture showing your experimental setup.

A large empty rectangular box with a white background and a thin grey border, intended for drawing the experimental setup.



Step 3:
Perform your
experiment
and gather
data

Record your data in the table.

Your variable	What you measured

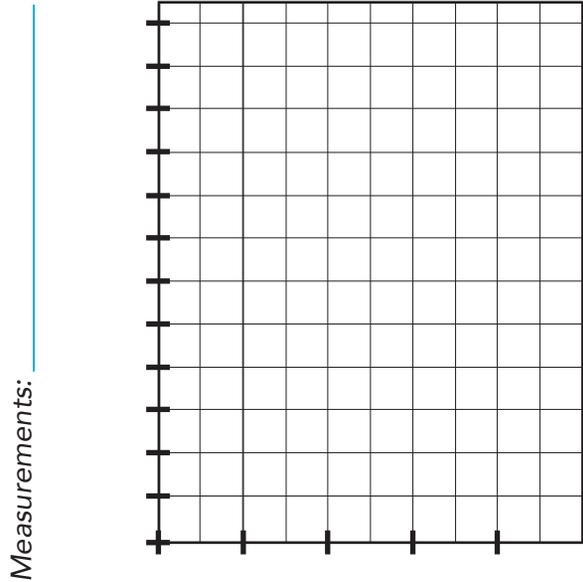


Step 3: Interpret your results

Graph your data.



Graph title: _____



Your variable: _____

What do you want to measure for your experiment?
