

ACTIVITY!

PROJECT!

BUILD A DAM

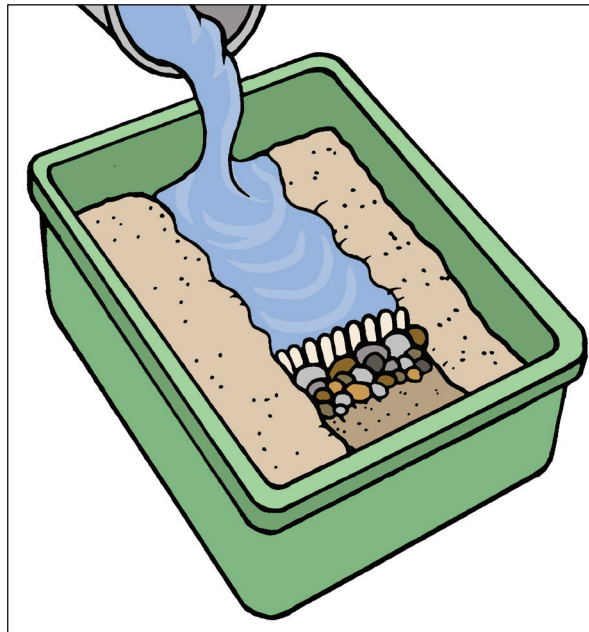
Can you design and build a dam that keeps water from flooding the area on one side of the dam?

1 Fill the plastic container about halfway with sand. Dig a path for your river through the sand.

2 Use the popsicle sticks and small rocks to build a dam somewhere across the river.

3 Test your dam by pouring water on one side of the dam. Did any water make it through to the other side?

4 Make changes to your dam until you can keep most of the water on one side of the dam.



SUPPLIES

- * long, shallow, clear plastic container
- * sand
- * popsicle sticks
- * small rocks or gravel
- * water

THINK ABOUT IT: Rivers have **currents**. What would happen to your dam if you added a current to your model, such as water from a hose? Would your dam be strong enough to keep the water behind it? What changes would you make to deal with the current and still keep your dam working?

WORDS TO KNOW

current: the steady flow of water in one direction.