

## Project

Name: \_\_\_\_\_

Grade: \_\_\_\_\_

### **Activity: Irrigation Method**

Divide students into groups of 2-3 students, providing a set of materials per group.

Explain that students must work as a team to design an irrigation system to move two cups of water a distance of at least three feet.

The team has a goal of splitting the water into two separate containers of exactly one cup each.

Students meet and develop a plan for their irrigation system. They draw their plan and then present their plan to the class.

Student groups next execute their plans. They may need to rethink their design, or even start over.

Next, teams will test their irrigation system to see how it works. Students will measure how much water is gathered in each of the two destination containers and see how close their water is to the goal of one cup in each container. Student teams may test their systems three times and count the most successful test.

Teams then complete an evaluation/reflection in their journals and present their findings to the class.