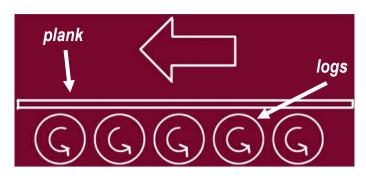
WATER THE PLANT

Before wheels were commonplace, some ancient civilizations used logs to move heavy objects in a similar way that wheels might have done. Here's how. Several logs were placed parallel to one another. Then, the load was placed on the logs. When a force was applied to the load, the logs rolled. As with a wheel and axle, the rolling logs reduced the friction. They also reduced the



amount of force needed to move the object. Even today, you can see this concept in action in rollers that are part of a conveyor belt system. Time to experiment with this primitive wheel and see how rolling logs can help move something.

The Challenge Identified: Start with the idea of using rolling logs to move something heavy. In this case, have your heavy object tilt a cup of water to water a plant.

Brainstorm ideas and supplies: You probably don't have a stack of logs on hand, brainstorm the alternate things you could use for logs and a plank.

Other things that could be used to replace logs	Other things that could be used to replace a plank

Draw a plan: This is a pretty simple challenge, but ideally it will show you how ancient people used logs to move things along. It will also give you another element to add to your larger, more complex contraptions later on. Sketch a quick idea of your delivery system.

