



Sustainability

Materials

- 3 dice
- 1 ruler
- 3 metal rings
- 9 station signs with A Frames
- 6 (2 ½) gallon buckets
- 3 cups without holes
- 3 cups with small holes
- 3 bags of water conservation technologies (6 items) with info cards
- 1 gallon jug

Supporting Information:

Technology: Anything that helps us do things more easily, makes our work better, or helps us finish tasks faster. It can also help us save water and waste it depending on how mindful we are!

Pipes & Canals: Help communities get water from one area to another. In the case of canals, water is moved from the Salt or Colorado rivers to our towns and cities. Pipes carry that water from the canals to be cleaned then to our homes.

Shower Station: When at this station, students must do a full pour. This ensures no one can get away with cheating and that it is properly representative of how we use water.

Relay: The relay is representative of how we use water in our everyday lives within our individual households.

Sustainability: In most cases, what will make the most impact is our decision making processes. Technology can solve problems in the immediate future but it will take long term habits to really change things!

Set the Stage for Success:

- Encourage the students to think critically about what technology is and the positive and negative effects of increased water availability thanks to technology
- Run through the relay once yourself to demonstrate how do each station.
- Model excitement by cheering the teams on and encouraging the students to do so as well.
- Keep an eye out for kids who are getting bored in line, and interact with them as they wait.
- Kids will often treat the relay like a race, when really it is more important that they are careful with transporting their water.
- We don't announce this ahead of the game, but use it to reinforce the idea of being mindful during our recap.
- If students complain about the dice roll being unfair, keep things light and fun when you respond.
- Calmly explain that we can't control how many people are in our family or how careful others are with their water



SUSTAINABILITY



ARIZONA
project WET
WATER EDUCATION TODAY



THE UNIVERSITY OF ARIZONA
Cooperative Extension

Narrative

Min	Directions:	What You Say:	Big Ideas:
2	<p>Gather students and introduce yourself.</p> <p>Begin with a brief discussion to define technology.</p>	<ul style="list-style-type: none"> Who here can tell me what technology is? Is this cup a form of technology? Why or why not? 	<ul style="list-style-type: none"> Technology is anything that helps us do things easier, better, or faster The cup is technology! It makes it easier and better to hold and drink liquids
5	<p>Following the questions, facilitate a discussion about how Arizonan's use water.</p>	<p>[Show gallon jug to students]</p> <ul style="list-style-type: none"> How much water does this jug hold? How much water does the average Arizonan use in a day? What is some technology that we use to access water? Can technology make it easier to waste water? Why or how? Can technology help us save water? <p>[Encourage students to share ideas on how to save water]</p>	<ul style="list-style-type: none"> The average Arizonan uses about 100 gallons a day! Technology like pipes and canals help us get water to our communities every single day Yes, technology makes it easier to waste water because we can access it so easily (e.g., letting sink run, using more than we need, etc.) Yes, technology can help us save water

15	<p>Introduce and demonstrate the relay race</p> <p>Divide students into 3 even groups and send them to relay lines</p> <p>Play the game</p> <p>Measure water at the end of the game Gather groups on the blue tarp</p>	<p>Goal: Move water from 1 side of the line to the other side, measure after. [Each person goes once]</p> <ul style="list-style-type: none"> • 1st person in line, per team, rolls dice • Number rolled is number of times each teammate will repeat all the following Technology Tasks • [Demonstrate each Technology Task:] • Run back and hand cup off to next in line • Winning team is the team that moves the most water into the far bucket. 	<p>Tips for Success:</p> <p>Interact with kids during the game to keep things fun and moving</p> <p>Encourage students who finish or are waiting to cheer on their team</p> <p>Rolling a higher number on the dice can be interpreted in 2 ways:</p> <ol style="list-style-type: none"> 1. Family size 2. Number of times you repeat a chore
5	<p>Distribute technology item bags to each group.</p> <p>Encourage them to take turns looking at the items. Go through technology packet with the entire class. Put items away</p>	<ul style="list-style-type: none"> • Look in your bags, pass around the items, and as a group, see if you can guess what each item is. <p>[Walk around while interacting]</p> <ul style="list-style-type: none"> • Do you have any of these items at home already? • Can you think of any other pieces of water saving technology? • What actions can you take to help conserve water? 	<ul style="list-style-type: none"> • Refer to technology packet to explain what each item is and the water it can save • There are many different forms of technology we can use to make sure water is being used more wisely • Technology makes it easy for us to access water, but it can also be easier to waste • Be mindful and careful about how we use water, we can save more
3	<p>Review big ideas</p>	<ul style="list-style-type: none"> • What is technology? • How has technology made it easier for us to use and waste water? • How does technology help us save water? • What actions can we take to conserve water? 	<ul style="list-style-type: none"> • Technology is anything that helps us do things more easily, better, or faster • Technology makes water accessible but can make us careless when we use it! • Technology can help use use less water. • To be truly sustainable with our water, we must make more sustainable choices!