

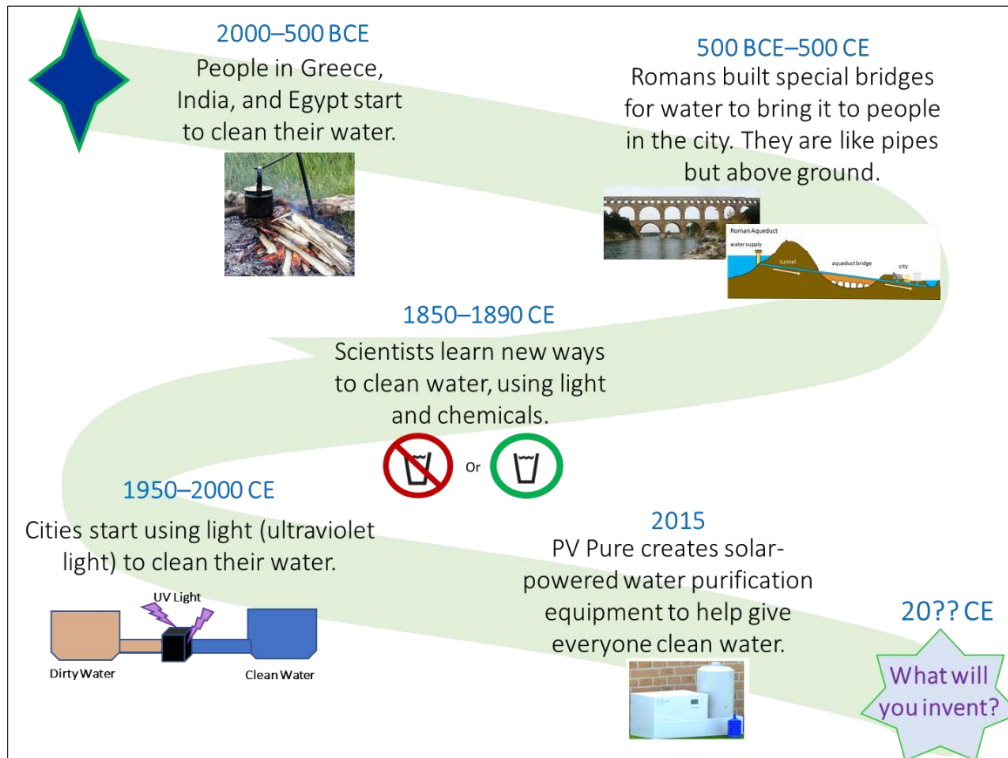
Technology Historical Timeline: Community Drinking Water

The Technology Historical Timeline is a great tool to use to give your students historical context for what they are learning and to show them how any single scientific discovery or understanding is built from all the discoveries and understandings that came before. In many cases, scientific discoveries only thrived if there was a community need they helped to solve.

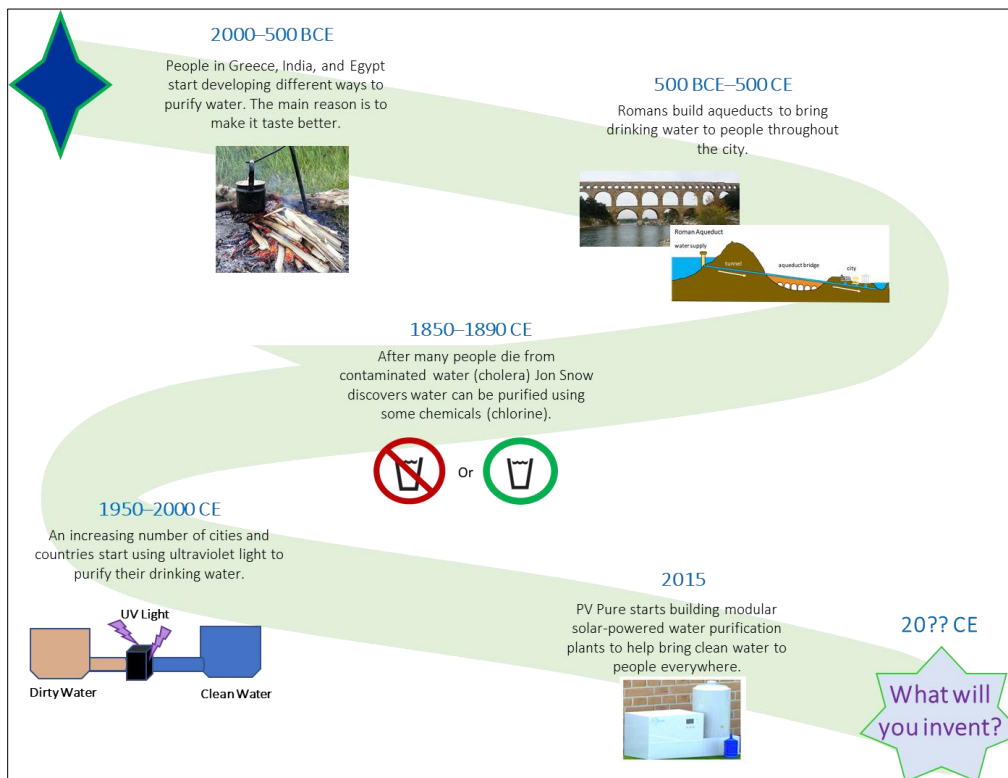
The following worksheets contain a couple versions of the timeline you can use with your class.

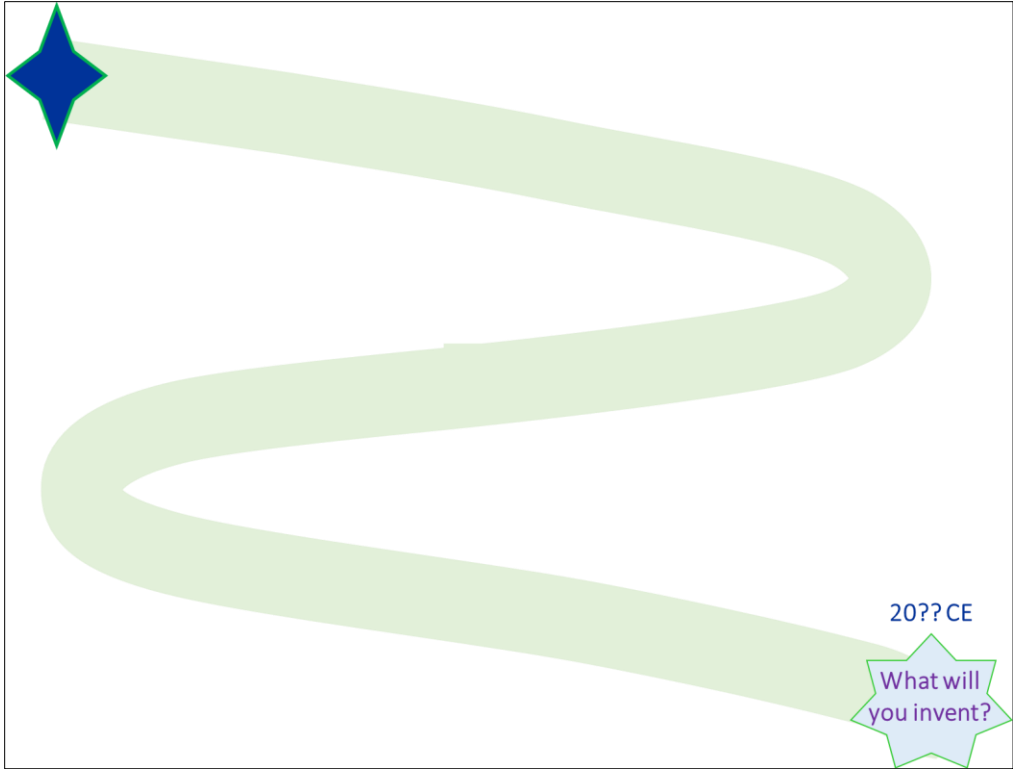
- The completed timeline is one we think links critical events in the history of human health. As an activity you could have your students pick their top three events on the timeline that then justify why they thought they were the most important.
- You could have your students pick one event on the timeline (e.g. understanding about contaminated drinking water) and create another timeline that includes that invention. Some examples could be:
 - Understanding of public health
 - Transformation of water from a natural resource to a commercial product
- You could have your students pick one event on the timeline to research further and share details with the class. Be sure to have them provide an opinion of why they believe that event was included on the timeline.
- You could take the blank timeline and have the students pick a different technology from which to create their own timeline.
- You could take the dateless descriptions and have the students try to put them in chronological order. Ask them to justify their order.
- Use the comparison timeline, one of which is on the timeline and one of which came before or after and ask your students propose which one came first and why.
- Most online technology historical timelines have a paragraph associated with each event. As a class you could pick a different technology historical timeline (these can be found online by googling “X historical timeline”) and have the students use the blank timeline to summarize and write down critical events.

K–2 version

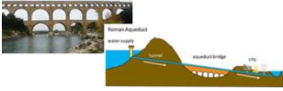
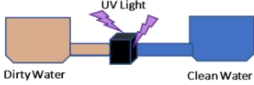




3–5 version

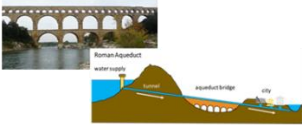

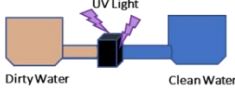






K-2 version

<p>Romans built special bridges for water to bring it to people in the city. They are like pipes but above ground.</p> 	<p>PV Pure creates solar-powered water purification equipment to help give everyone clean water.</p> 	<p>Cities start using light (ultra violet light) to clean their water.</p> 
<p>Scientists learn new ways to clean water, using light and chemicals.</p> 	<p>People in Greece, India, and Egypt start to clean their water.</p> 	

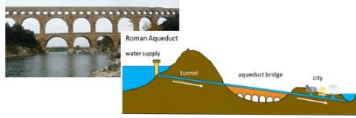
3-5 version

<p>Romans build aqueducts to bring drinking water to people throughout the city.</p> 	<p>PV Pure starts building modular solar-powered water purification plants to help bring clean water to people everywhere.</p> 	<p>An increasing number of cities and countries start using ultraviolet light to purify their drinking water.</p> 
<p>After many people die from contaminated water (cholera) Jon Snow discovers water can be purified using some chemicals (chlorine).</p> 	<p>People in Greece, India, and Egypt start developing different ways to purify water. The main reason is to make it taste better.</p> 	

Put the historical events in the order you think they belong and justify your order.

What did we build first?

Romans built special bridges for water to bring it to people in the city. They are like pipes but above ground.



or

We built pipes and use hoses to move water around the city.

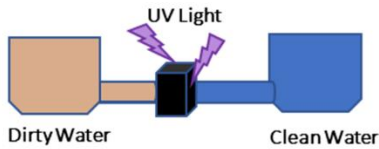


20?? CE

What will you invent?

What did we do first?

Cities start using light (ultraviolet light) to clean their water. This light kills germs.



or

Cities start using big screens (filters) to clean their water. These filters remove garbage.



20?? CE

What will you invent?

What did we know first?

Scientists learn new ways to clean water, using light and chemicals.



Or

or

Scientist and engineers learn how to make it easier for people to get clean drinking water.



20?? CE

What will you invent?