Additional Resources

Note: *All links were confirmed as working at the time this was created. If you find a link that doesn't work, let us know so we may find a suitable—and working—link.*

Videos

Water

https://www.youtube.com/watch?v=B4ZR53n0D8I Short video (2:52 min) on water usage and conservation in the home.
https://www.youtube.com/watch?v=GOLf2RbxmzE Musical video (1:43 min) on water conservation (short ad before).
https://www.youtube.com/watch?v=oaQCiwzjnCM A water introduction video (~4 min) as part of the "Crash Course Kids" series; may be better for older students. Focuses on freshwater. Short ad at the beginning.
https://www.youtube.com/watch?v=eMKhdQ8WCfg An older video (from 2009) but provides a slightly different method of presenting some of the basic information on water conservation.
http://www.seametrics.com/blog/water-conservation-videos/ A series of eight water conservation videos hosted by Seametrics, a water fittings and measurement company.
https://www.youtube.com/watch?v=F35GqEidAwo An additional video by NuLeaf on water conservation and how their system works. It might be a bit advanced for younger students, but great for older students, teachers and parents.
https://www.youtube.com/watch?v=9p_8DIG-EvY (2:00 min) a video about bringing safe drinking water to different parts of the world. (Note – It is a P&G promotional video as well).

Solar Energy

http://video.nationalgeographic.com/video/solar-power Excellent solar energy video (2:36 with a 17-sec ad at the beginning).
http://www.neok12.com/Solar-Energy.htm Multiple videos (short) on solar energy for kids. Most geared for grade 4 to 12, however, most are appropriate for grade 3.
http://www.neok12.com/Energy-Sources.htm Energy sources videos for kids but geared a bit higher. However, can be used to challenge students who need challenges. Includes interactive games and worksheets to supplement presentation.
http://video.nationalgeographic.com/video/solar-power Solar energy video (2:36 with a 17-sec ad at the beginning).
http://video.pbs.org/video/2289310391/ PBS video (3:00) on solar energy (photovoltaic cells, concentrators, why we can't only use this form of energy).
http://science360.gov/obj/video/83d67b75-f6f5-43e6-bbef-8c8b9d9584c1/solar-panels-work Video (3:56) from the Boston Museum of Science.

Websites

Water Resources

http://www.savingh2o.org/index.html, http://www.savingh2o.org/resources.html An educational site with student and teacher resources to help teach youth about the importance of conserving water in and around the home.
https://thewaterproject.org/ and https://thewaterproject.org/resources/ A nonprofit organization aimed at providing reliable water projects to communities in sub-Saharan Africa that suffer needlessly from a lack of access to clean water and proper sanitation.
https://wateruseitwisely.com/tips/category/kids/ Tips on how to conserve water.
https://www3.epa.gov/safewater/kids/teachers_k-3.html https://www3.epa.gov/safewater/kids/teachers_4-8.html Some activities and resources from the EPA about water purification, conservation, etc.

Interesting Companies and Organizations

PV Pure—http://www.pvpure.com/ PV Pure is developing small-/medium-scale modular water purification units for use in rural areas. These unit are powered using solar energy.
NuLeaf Technology—https://www.nuleaftech.com/ NuLeaf Technology is developing small-/medium-scale water recycling units that use plant-based ecosystems to clean water.
Souder, Miller & Associates—https://www.soudermiller.com/ SMA is a New Mexico-based professional engineering, environmental, and surveying consulting firm that provides the framework for employees to achieve more as a team for the benefit of their clients, communities, and the environment.
SolarMill—https://www.solarmill.com/ SolarMill is a sustainable manufacturing company that makes its own line of housewares and home decor using solar-powered machinery.
CylcoPure—http://www.cyclopure.com/ CycloPure is developing a new chemical technology to help remove harmful pollutants from the water.
StormSensor—https://www.stormsensor.io/ StormSensor monitors, collects, and stores data on city catch basins (places where stormwater is stored) and stormwater quality.
Raiin—https://raiin.co/ Raiin is developing a new household water filter (think Brita) that removes germs, bacteria, and harmful chemicals instead of just improving odor and taste.
RadixCenter—https://radixcenter.org/ The mission of the Radix Center is to promote ecological literacy and environmental stewardship through educational programs based around demonstrations of sustainable technologies.

Renewable Energy

http://www.kidwind.org/ A great website with various challenges, activities, and kits for wind-related projects.
http://www.alliantenergykids.com/energyandtheenvironment/renewableenergy/022397 A website with kid-friendly explanations about wind energy.
http://www.eia.gov/kids/energy.cfm?page=wind_home-basics A good explanation of various types of windmills and wind turbines.
http://www.need.org/files/curriculum/guides/The%20Sun%20and%20its%20Energy.pdf Additional educator resources on solar energy