



CA State Standards,
NGSS Aligned & STEAM

Online Lesson Plan

WATER SAVER! *Episode 1*

Grade Levels

K-2nd & 3-6th

Objective

Observe, record, and identify water efficiency (water savings) and water conservation opportunities within our own homes and landscapes.

Standards

K-2nd :ESS3 Earth and Human Activity, Earth Science – 9c, CA water needs

3-6th : ESS3 Earth and Human Activity, Earth Science – 9c, CA water needs

Materials

1. Computer with You Tube Access to view Water Saver video
<https://www.youtube.com/watch?v=2UuurRiL-7E>
2. Ms. Smarty-Plants™ (PDF, printed, or Google Docs Form)
 - Water Saver Episode 1 Quiz
 - Which Earth Hero are You?
 - Water Saver coloring page
 - Water Supply poster
3. Virtual Classroom meeting platform (ex: Google Hangouts, ex: Talks, Blackboard Collaborate)
4. Crayons, color pencils and/or markers

Lesson Procedures

1. **Water Saver Episode 1** Students can individually watch a short, fun video introducing the various ways to save water with Ms. Smarty-Plants™ (MSP) and her Earth Hero, Water Saver! The video can be found online at your water district's website or on [Ms. Smarty-Plants™ YouTube](#) page. If the group has scheduled a virtual visit with Ms. Smarty-Plants™, they should watch the video prior to her popping in to your class call.
2. **Ms. Smarty-Plants™ visits your class!** In an interactive, virtual field trip with Ms. Smarty-Plants™, students will learn about San Diego's climate, water supply & efficiency, and why we all have to be Water Savers! MSP will engage students to recall the different methods of water efficiency mentioned in the Water Saver video. She will address where our water comes from, how it gets here, and how important it is to be water efficient in Southern California. In addition, students will get encouragement and celebration for being Ms. Smarty-Plants™ Earth Heroes and true Water Savers!
3. **Assessment** following the Ms. Smarty-Plants™ Water Saver video, students can take a fun, short quiz which will capture the level of information retention. We offer a lower grade [quiz \(K-2nd\)](#) and an upper grade [quiz \(3rd-6th\)](#).
4. **Staying positive & making a difference!** We want to encourage each student to create their own Earth Hero moment, (see document [“Which Earth Hero are You?”](#)), so they can be shared with Ms. Smarty-Plants™ and the school's water district.