

EnergySmart: It's How We're All Connected (Energy, Energy Planning, Energy Conservation)

1. **What is Energy?** (10 min)
 - What is energy?
 - Law of Conservation of Energy
 - Types of Energy
 - Wind turbine activity
2. **We use Energy to make Electricity** (5 min.)
 - Use of earth's resources
 - Renewables/non-renewables
 - Environmental impact discussion
3. **Be an Energy Planner for a Day** (10 min.)
 - Challenges for providing energy to the community
 - Energy Mix - Current & Future generation
 - Energy planner game
4. **How Electricity gets to you** (10 min.)
 - Electricity Delivery
 - Electric transmission activity
5. **How you use Electricity** (10 min.)
 - Energy use in the home
 - Watt detective game
6. **How to be Energy Smart** (10 min)
 - Your choices matter – small actions make a difference
 - Top Student actions for sustainability
 - Peak demand - Shift use to shave the peak
 - Resources from Springs Utilities
 - Efficiency options

Total program time = 55 minutes

Objective: Learn the sources of energy, how Colorado Springs Utilities generates and distribute electricity, how we depend on earth's resources and best ways to use electricity wisely.

Target grades: 6th through 8th grade

Time commitment: 55-minute presentation

Standard/ GLE Code: SC.MS.1.5, SC.MS.3.8, SC.MS.3.10, SC.MS.3.11