

Free Choice Host Instructions

Thanks so much for hosting the Free Choice Station for 6th graders today!

Following the schedule, you will have 6 groups of about 18 students for 40 minutes each at your station – 3 in the morning, and 3 in the afternoon. Students will be coming to you from the Percolation Perambulation along the river, and will leave you to go to Water Chemistry, which is a long hike.

Welcome your group briefly by gathering them on the porch of the stone lodge to point out the 3 choices they will have and agree on a signal to come back into a group and move on to the next station. They may visit any or all of the three choices as they wish over this time. However, freedom of choice is a privilege for those who can control their behavior and enjoy the options. Those who cause problems for others or themselves will be asked to sit on the porch for the duration of the station with a cookbook.

Briefly state the rules for Watershed Golf & Guidelines for Alternative Energy: Play individually, and keep all golf gear in control. You may start at any hole and move in order. Fill out a score card with watershed definitions as you travel. Please replace club and ball in the basket as you leave the course.

You are free to try out the equipment at Alternative Energy, but please leave it in good order when you are done.. Please report any problems to the host so they can be fixed.

Gift Shop

The gift shop is a commercial store. Students should be respectful of the merchandise, and make transactions in a businesslike fashion. All trash should be placed in trash cans, and a good school reputation should be upheld by their conduct.

Watershed Golf Choice

This is an 18 hole putting golf course, with the added attraction of watershed terms and definitions at each hole. Students may choose a putter and ball, and begin play at any place on the course. There is a score card which matches terms and definitions in addition to keeping count of strokes to sink a putt. (sometimes known as a “sinkhole”!

Alternative Energy Choice

- 1. Background: Local students are hearing more about global warming, and the likelihood that human activities, especially overconsumption and burning fossil fuels, may be contributing to the problem. Instead of feeling powerless, we can all examine our natural resource use – both past and**

present - and sample the positive alternatives that will be part of a brighter environmental future. It turns out that change is what we are best at! We used to do things a lot differently in the past, and we will certainly do different things in the future, and that is pretty exciting and hopeful.

Goal: Students will have practical hands-on exposure to alternative energy devices.

6th Grade SOL's: 6.2 (a,b,d,e), The student will investigate and understand basic sources of energy, their origins, transformations and uses. Key concepts: potential and kinetic energy, the role of the sun in the formation of most energy sources on Earth, renewable energy sources (wood, wind, hydro, geothermal, tidal and solar), and energy transformations (heat/light to mechanical, chemical and electrical energy)
6.5 (f,g) The student will investigate and understand the unique properties and characteristics of water and its roles in the natural and human-made environment. Key concepts: the importance of water for public health and the importance of protecting and maintaining water resources.

Gear:

Rotary Water Pump

Solar Panel Water Pump (and fan)

Solar Backpack and small appliances

Solar phone and camera charger

Solar camp lights

Solar Radio

Bicycle Generator

Plug in Appliance

Solar Oven

Hybrid Car parked nearby

Mrs. Weyer's Washday

Trunk with antiques and artifacts related to water and energy consumption in the past.

(If any of the appliances are not working, please remove them; the gift shop cashier will store them until they can be repaired.)