

STEAM Ahead II		Topics	Grades 6-8
<u>Session 1</u> 12:30-3:30pm	Week 1 9/7/2010	Food for Thought (and Energy!)	Food Webs: It's a matter of recycling!
1-3:30pm	Week 2 9/14/10		Energy transfer and conservation through the web.
1-3:30pm	Week 3 9/21/10		Organisms and physical and chemical changes to the environment.
<u>Session 2</u> 12:30-3:30pm	Week 1 10/5/10	Animals: why do they do that? Where do they go?	Dichotomous keys and how to use them.
1-3:30pm	Week 2 10/12/10		Animal behavior: Migration.
1-3:30pm	Week 3 10/19/10		Animal behavior: Adaptations and the environment.
<u>Session 3</u> 12:30-3:30pm	Week 1 11/2/10	"Weather" or not to wear a coat....	Tools and Technology: Measuring the weather.
1-3:30pm	Week 2 11/9/10		Weather: Watching the water and energy cycles.
1-3:30pm	Week 3 11/16/10		The reasons for the seasons and living in the Goldilocks zone.
<u>Session 4</u> 12:30-3:30pm	Week 1 1/4/11	Rocks: Do you take them all for granite?	The rock cycle and identifying the three main classes of rocks.
1-3:30pm	Week 2 1/11/11		Tectonic plate movement and changes on the earth.
1-3:30pm	Week 3 1/18/11		Earthquakes and volcanoes and changes in topography.
<u>Session 5</u> 12:30-3:30pm	Week 1 2/1/11	Citizen Scientists: How can you impact the environment?	Local problems, public policy, and experimental design: Wetlands.
1-3:30pm	Week 2 2/8/11		Local problems, public policy, and experimental design: Outdoor recreation.
1-3:30pm	Week 3 2/15/11		Local problems, public policy, and experimental design: Wildlife management.