**Youth Natural Resources Lesson Plan**

**Entomology**

* Grades 3 -5
	+ Bugs R Us – learn about insect anatomy by building an insect
	+ FACETnating – explore how insects view their world
* Grades 6-8
	+ Peek A Bug – explore places where insects might be found
	+ Read the Label, Mabel – insecticides and insect control

**Forestry**

* Grades 3-5
	+ Home, Tree, Home – explore different climates in which trees can live
	+ In the Tree's House – forest habitats and the organisms in those habitats
* Grades 6-8
	+ City Trees – urban planning and the benefits of urban trees
	+ Growing Every Day – measuring the volume of a standing tree and discuss tree growth

**Geology**

* Grade 3
	+ You Rock! – Understand that there are many differences in rocks and how categorizing helps to talk about differences.
* Grades 4-5
	+ How Rocks Change – the Earth’s processes that cause the three basic types of rocks (igneous, metamorphic, and sedimentary).
	+ Cross Word Puzzle – geology terminology definitions

**Soil & Water**

* Grades 4 & 5
	+ Designer Soils – how different soil components affect plant growth

**Weather**

* Grades 3 & 4
	+ What Makes Weather? – the three major factors that make up our weather
* Grades 4 & 5
	+ Experiments with Weather Makers – basic weather concepts
	+ Weather Information – observe and record weather information
	+ Assembling a Weather Station – design and construct equipment to make a weather station
* Grades 5 & 6
	+ Build a Better Rain Gauge – build a rain gauge and how to observe rainfall
	+ Recording Weather Data – collect and interpret data from a weather station
	+ Wind Observation Equipment – design and construct wind measurement equipment

**Wildlife**

* Grades 3 & 4
	+ Bird Feeder Observations – construct a bird feeder and observe what birds use the feeder
	+ Birdbath Observations – design and construct a birdbath and observe what birds use it.
	+ Observation Skills – observe living things and the interactions within species and between species.
* Grades 4 & 5
	+ Habitats: Where You'll Find Us – classify animals into the three main habitats found in Indiana using a Venn diagram.
	+ Habitats: What Am I? – Food Chains – food chains and animal classification (carnivore, omnivore, or herbivore)
	+ Animals and their offspring: How We Grow – animals and their offspring
* Grades 5 & 6
	+ Habitats – wildlife habitat needs
	+ Population Growth – birth and death rates effects on population growth