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| Time Frame | Topic/Unit | Skills/Concepts | Major Assessments | Core Standards | Resources |
| 4 weeks | Intro to Environmental Science | * Overview of Forestry
* (definition-uses-types of forests)
* Tree Identification
* Forestry Practices
* Overview of Wildlife
* (definition-uses-terms)
* Wildlife Identification
* Habitat
* Conservation
* Air Overview
* (definition-make-up-characteristics)
* Air Quality
* Common Air pollutants
* Water Overview
* (definition-make-up-water cycle)
* Water Quality
* Water Pollution
* Soil Overview
* (definition-soil texture, structure and profile- soil make-up)
* Soil Use
 | Building a field guide for wildlifeAir quality labWater quality labSoils labHave a team competition at the end of the unit like Envirothon. Stations they rotate to on each topic |  | Units from Ag Ed NetTree and Wildlife guidesAir quality lab materials(cups-food coloring-coffee-soil-cocoa-cool aid)Water and soil test kitsVideo’s on soils a. wildlife and forestry |
| 1 week | Safety | * Overview
* Tool use
* PPE’s
* Clean-up
 | Summative test and practical |  | Units from Ag Ed NetTools and machines in shop |
| 4 weeks | CO2 Car | * Project Design
* Measuring
* Project Build
* Calculating Speed
* Science behind the build (Newton’s laws)
 | Design and Build CO2 carPrediction Essay |  | Drawing tools and paperCO2 car materialPaint |