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|  | **Agricultural Science Dept. Mr. Jason Hovell** | **Week #30****Week of March 31-April 4th, 2014** |  |
|  | **Plant & Soil Science** | **Science 7** | **Landscape Design & Construction** | **Wildlife, Forestry & Aquaculture** | **Small Engines/Renewable Energy****Instructional Strategies:****Resources:****Task/Activity/Assignment:** | **Exploring Ag**  |
| **Monday** | **Objective:** Students will be able to take root cuttings of grape plants. **Instructional Strategies:** Student ResearchStudent Lab**Task/Activity/Assignment:**Ch. 5- Soil Materials & Formation **Resources:** Cuttings, Pruners, rooting hormone  | **Objective:** Students learn equipment used to measure local weather. **Instructional Strategies:** Teacher Instruction/Student Work Time**Task/Activity/Assignment:**Hand Exams BackStart Weather Unit**Resources** : Weather Instruments, Worksheets | **Objective:** Students can remove thatch. **Instructional Strategies:**Lab **Task/Activity/Assignment:**Remove thatch from school grounds**Resources:** computers | **Objective:** Students participate in the DNR Trapper Safety Program.**Instructional Strategies:**-Individual Student work time**Task/Activity/Assignment:**Review TracksCh. 3 Assignment **Resources :** Manuals | **Objective:** Students can build a small-scale methane digester and explain how a methane digester works. **Instructional Strategies:**Students in lab/shop**Task/Activity/Assignment:**Methane Gas Case Study Activity EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students learn rules & expectations**Instructional Strategies:**Teacher Led Discussion **Resources:**Classroom syllabus **Task/Activity/Assignment:**1. Learn Rules & Expectations
2. Prepare for Rules/Expectations Quiz

Assign Parent/G. Signed Letter (20 Pts) |
| **Tuesday** | **Objective:** Students will be able to take root cuttings of grape plants. **Instructional Strategies:** Student ResearchStudent Lab**Task/Activity/Assignment:**Ch. 5- Soil Materials & Formation **Resources:** Cuttings, Pruners, rooting hormone | **Objective:** Students learn equipment used to measure local weather. **Instructional Strategies:** Teacher Instruction/Student Work Time**Task/Activity/Assignment:**Start Weather Unit**Resources** : Weather Instruments, Worksheets | **Objective:** Students can use drafting software to crate landscape designs. **Instructional Strategies:**Notes/Lecture **Task/Activity/Assignment:**Partner Computer Design Project **Resources:** computers | **Objective:** Students participate in the DNR Trapper Safety Program.**Instructional Strategies:**- Individual Student work time**Task/Activity/Assignment:**Trapper Safety ID 25 Track Quiz**Resources :** Manuals | **Objective:** Students can build a small-scale methane digester and explain how a methane digester works. **Instructional Strategies:**Students in lab/shop**Task/Activity/Assignment:**Methane Gas Case Study Activity EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students become familiar with supplies & objects in Ag. Science classroom. **Instructional Strategies:**Small Peer Group Exploration **Resources:**Bag of M & M’s **Task/Activity/Assignment:**1. Seating Chart
2. Collect Parent Signed Sheets
3. Rules & Exp/ Quiz

M & M Activity  |
| **Wednesday** | **Objective:** Students can use resources to determine soil series for their home garden or farm. **Instructional Strategies:** Student Research**Task/Activity/Assignment:**Ch. 5- Soil Materials & Formation **Resources:** text | **Objective:** Students learn equipment used to measure local weather. **Instructional Strategies:** Teacher Instruction/Student Work Time**Task/Activity/Assignment:**Start Weather Unit**Resources** : Weather Instruments, Worksheets | **Objective:** Students can use drafting software to crate landscape designs. **Instructional Strategies:**Notes/Lecture **Task/Activity/Assignment:**Prune Apple Trees at Scott/Virge Gamroth’s**Resources:** pruners, van | **Objective:** Students participate in the DNR Trapper Safety Program.**Instructional Strategies:**- Individual Student work time**Task/Activity/Assignment:**Practice Setting 1 / 1.5 CS Coil Spring Traps**Resources :** Manuals | **Objective:** Students can explain the steps in biodiesel production, and make a small sample.**Instructional Strategies:**Students in lab/shop**Task/Activity/Assignment:**Methane Science **Resources** Supplies, Safety EquipmentEES: B.12.1, B.12.3, C.12.1 | **Objective:** Students become familiar with supplies & objects in Ag. Science classroom. **Instructional Strategies:**Small Peer Group Exploration **Resources:****Task/Activity/Assignment:**Tour of Ag. Science Dept. Activity (46 Pts). |
| **Thursday** | **Objective:** Students can prepare a report of the soil of their home garden or farm using the online Soil Survey System.**Instructional Strategies:** Student ResearchInstructor Demonstration/Students repeat processTo gather report.**Task/Activity/Assignment:**Ch. 5- Soil Materials & Formation **Resources:** computers | **Objective:** Students learn equipment used to measure local weather. **Instructional Strategies:** Teacher Instruction/Student Work Time**Task/Activity/Assignment:**Start Weather Unit**Resources** : Weather Instruments, Worksheets | **Objective:** Students can use drafting software to crate landscape designs. **Instructional Strategies:**Notes/Lecture **Task/Activity/Assignment:**Prune Apple Trees at Scott/Virge Gamroth’s**Resources:** pruners, van | **Objective:** Students participate in the DNR Trapper Safety Program.**Instructional Strategies:**- Individual Student work time**Task/Activity/Assignment:**Trapper Safety Program -Add 5 Animals to PP slides: **American Pine Marten , Canada lynx , Cougar, Wolverine, Nutria****Resources :** Manuals | **Objective:** Students can build a small-scale methane digester and explain how a methane digester works. **Instructional Strategies:**Students in lab/shop**Task/Activity/Assignment:**Methane Digester Building- Biofuels Lab**Resources** Misc. EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students learn where to find classroom supplies & what to do in emergencies. **Instructional Strategies:**Small Group / Teacher led**Resources:****Task/Activity/Assignment:**Finish/Correct Tour of Ag. Science Dept. Activity (46 Pts). |
| **Friday** | **Objective:** Students can explain the properties of soil.**Instructional Strategies:** Student Research**Task/Activity/Assignment:**Assessment: Ch. 5- Soil Materials & Formation**Resources:** text | **Objective:** Students learn equipment used to measure local weather. **Instructional Strategies:** Teacher Instruction/Student Work Time**Task/Activity/Assignment:**Start Weather Unit**Resources** : Weather Instruments, Worksheets | **Objective:** Students can apply fertilizer to yard**Instructional Strategies:**Demonstration **Task/Activity/Assignment:**Lawn Fertilizing Lab @ Ash Street**Resources:** fertilizer  | **Objective:** Students participate in the DNR Trapper Safety Program.**Instructional Strategies:**- Individual Student work time**Task/Activity/Assignment:**Scott McConnell Presentation **Resources :** Manuals | **Objective:** Students can build a small-scale methane digester and explain how a methane digester works. **Instructional Strategies:**Students in lab/shop**Task/Activity/Assignment:**Methane Digester Building- Biofuels Lab**Resources** Misc. EES: B.12.1, B.12.3, C.12.1 | **Objective:** No Class- Junior Achievement Program Day **Instructional Strategies:**Lab**Task/Activity/Assignment:**No Class- Junior Achievement Program Day **Resources:**  |