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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 Back Start 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 Tracks Ch. 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 Equipment  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:**  **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 process  To 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:** |