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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #29**  **Week of March 24-28th, 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:**  Grape Cuttings Lab-Day 1  **Resources:** Cuttings, Pruners, rooting hormone | **Objective:** Students learn the relationship between volts, ohms, and amps through using Ohm’s Law.  **Instructional Strategies:**  Teacher Instruction/Student Work Time  **Task/Activity/Assignment:** Hand Assessments Back Discuss Friday’s Reading  Intro Ohm’s Law / E-I-R Relationship  **Resources** : Wksht, Calculator | **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:**  Correct Ch. 1  Review/Assign Ch. 2 & Correct  **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:**  Group Biodiesel Titration Lab- Calculation amount of lye needed for used oil batch. 3 different Samples.  EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students will be able to take root cuttings of grape plants.  **Instructional Strategies:** Student ResearchStudent Lab  **Task/Activity/Assignment:**  Grape Cuttings Lab-Day  **Resources:** Cuttings, Pruners, rooting hormone |
| **Tuesday** | **Objective:** Students will be able to take root cuttings of grape plants.  **Instructional Strategies:** Student ResearchStudent Lab  **Task/Activity/Assignment:**  Grape Cuttings Lab-Day 2  -Finish Soil Series notes from Friday  **Resources:** Cuttings, Pruners, rooting hormone | **Objective:** Students can apply Ohm’s Law.  **Instructional Strategies:**  Teacher Instruction/Student Work Time  **Task/Activity/Assignment:** Ohm’s Law Practice #1  **Resources** : Wksht, Calculator | **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 – Ch. 3  **Resources :** Manuals | **Objective:** Students can explain and follow the steps in biodiesel production, and make a sample 1 Liter Batch.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Biodiesel Production Lab- Used Oil Lab  EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students will learn the first paragraph of the FFA Creed for a public speaking opportunity.  **Instructional Strategies:**  Public Speaking Practice  **Task/Activity/Assignment:**  FFA Creed Meaning & Recital practice  **Resources**: FFA Creed Copies |
| **Wednesday** | **Objective:** Students can use resources to determine soil series for their home garden or farm.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Web Soil Assignment  **Resources:** text | **Objective:** Students can apply Ohm’s Law.  **Instructional Strategies:**  Teacher Instruction/Student Work Time  **Task/Activity/Assignment:** Ohm’s Law Practice #2  Review Concepts for Thursday’s Exam  **Resources** : Wksht, Calculator | **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 – Ch. 3  **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:**  Biodiesel Production Lab  **Resources** Supplies, Safety Equipment  EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students will learn the first paragraph of the FFA Creed for a public speaking opportunity.  **Instructional Strategies:**  Public Speaking Practice  **Task/Activity/Assignment:**  FFA Creed Recital  **Resources**: FFA Creed Copies |
| **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:**  US Soil Survey Website/Tutorial  **Resources:** computers | **Objective:** Students can show knowledge, comprehension, and application of 9 week electronics unit.  **Instructional Strategies:**  Student Assessment  **Task/Activity/Assignment:** Final Exam  **Resources** : Exam, Calculator | **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 4 Animals to PP slides  **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:**  Review for Assessment  **Resources** Review Game   EES: B.12.1, B.12.3, C.12.1 | **Objective:** Students earn class celebration.  **Instructional Strategies:**  **Task/Activity/Assignment:**  Student Celebration Day  **Resources**: |
| **Friday** | **Objective:** Students can explain the properties of soil.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Ch. 6-Chapter Review ?’s  **Resources:** text | **Objective:** No Class- Junior Achievement Program Day  **Instructional Strategies:**  **Task/Activity/Assignment:**  No Class- Junior Achievement Program Day  **Resources:** | **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:**  Trapper Safety  ID 25 Animals Quiz  ID 25 Track Quiz  **Resources :** Manuals | **Objective:** Students can explain the steps in biodiesel pand ethanol production.  **Instructional Strategies:**  Student Assessment  **Task/Activity/Assignment:**  Ethanol & Biodiesel Assessment  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:** |