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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 BackDiscuss 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. 1Review/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 LabEES: 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 #2Review 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 EquipmentEES: 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 processTo 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 AssessmentEES: 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:**  |