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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #4**  **Week of Sep. 23 -27th, 2013** |  | | | |
|  | **Plant & Soil Science** | **Science 7** | **Food Science & Processing** | **Small Engines** | **Wildlife, Forestry & Aquaculture**  **Instructional Strategies:**  **Resources:**  **Task/Activity/Assignment:** | **Exploring Ag 8** |
| **Monday** | **Objective:**  -Be able to classify 10 plants by plant taxonomy system.  **Instructional Strategies:**  -Individual Plant ID Project  **Task/Activity/Assignment:**  Discuss Procedures for assignment  Assign Taxonomy Assignment  **Resources:** Plant ID Assignment Handout,resource books | **Objective:** Construct a habitat suitable for raising organisms (milkweed bugs)  **Instructional Strategies:**  Teacher led directions / small group projects  **Task/Activity/Assignment:**  -Set up groups & prepare bug habitats & storage containers.  -Demonstrate water vessel setup  -Record observations in journals.  **Resources:** Observation journals, milkweed bugs/habitats, magnifying glasses | **Objective:** Learn About Careers & skills needed in the Food Science industry.  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  -Weigh Tomatoes- Experiment (Day 9)  -Food Science Issues  -Job Applications Critique-  -Employability Skills & Safety Hazards  **Resources:** Text | **Objective:** Learn math formulas used in Small Engines industry.  **Instructional Strategies:**  -Notes, Individual Assignment  **Task/Activity/Assignment:**  -Students take down engine formulas  -Practice w/ Examples  -Engine Calculations Assignment  **Resources:** Transparencies, Student Wksht | **Objective:**  **-**Classify 25 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning  -Inside Work Day  **Task/Activity/Assignment:**  Project Learning Tree Activity  Tree/Leaf ID Project   **Resources:** Trees, Leave, resource books AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students become proficient using GPS to find geocache.  **Instructional Strategies:**  Individual GPS Geocaching Assignment  **Task/Activity/Assignment:**  -Geocaching Activity @ Evergreen Cemetery  **Resources:** GPS Units |
| **Tuesday** | **Objective:**  -Be able to classify 10 plants by plant taxonomy system.  **Instructional Strategies:**  -Individual Plant ID Project  **Task/Activity/Assignment:**  Discuss Procedures for assignment  Assign Taxonomy Assignment  **Resources:** Plant ID Assignment Handout,resource books | **Objective:**  1)Monitor changes in milkweed bug population. 2)Describe the sequence of changes that constitute a milkweed bug’s lifecycle.  **Instructional Strategies:**  Individual observations & small groups  **Task/Activity/Assignment:**  -Record observations in journals.  **Resources:** Observation journals, milkweed bugs/habitats, magnifying glasses | **Objective:**  -Have students complete an classroom SAE Project  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  - Continue Tomato Enzyme Lab (Day 10)- Conclusion  -SAE Project Intro-  **Resources:** SAE Project Contract Packets | **Objective:** Learn math formulas used in Small Engines industry.  **Instructional Strategies:**  -Notes, Individual Assignment  **Task/Activity/Assignment:**  -Students take down engine formulas  -Practice w/ Examples  -Engine Calculations Assignment  **Resources:** Transparencies, Student Wksht | **Objective:**  **-**Classify 25 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning -Outside Collection Day  **Task/Activity/Assignment:**  Tree/Leaf ID Project   **Resources:** Trees, Leave, resource books AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students are assessed on their proficiency of GPS/GIS technology.  **Instructional Strategies:**  Individual Computer Assignment  **Task/Activity/Assignment:**  -Students complete reaction summary of Geocaching experience.  -Review for Assessment.  **Resources:** Computers |
| **Wednesday** | **Objective:**  -Assessment of Learning Ch. 1 Material.  **Instructional Strategies:**  -Ch. 1 Quiz  **Task/Activity/Assignment:**  -Ch. 1 Exam  -  **Resources:** Ch. 1 Quiz | **Objective: Describe** . 1)Describe the sequence of changes that constitute a milkweed bug’s lifecycle.  **Instructional Strategies:**  Individual observations & small groups  **Task/Activity/Assignment:**  -Record observations in journals.  -Read “Milkweed Bugs” from text  -Review for Exam  **Resources:** Observation journals, milkweed bugs/habitats, magnifying glasses | **Objective:** Have students complete an classroom SAE Project **and** Learn employability skills needed to be successful in FS Careers.  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  -Food Science Issues  - Ch, 3 (1-10) Complete & Correct  **Resources:**  Textbook, SAE Packets | **Objective:** Learn math formulas used in Small Engines  industry.  **Instructional Strategies:**  -Notes, Individual Assignment  **Task/Activity/Assignment:**  -Engine Formulas Wksht #2 (C🡪F, Force, work, Power, HP)  -Student Calculations Wksht  **Resources:** Transparencies, Student Wksht | **Objective:**  **-**Classify 25 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning  **Task/Activity/Assignment:**  Tree/Leaf ID Project (Inside)  **Resources:** Trees, Leave, resource books AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students are assessed on their proficiency of GPS/GIS technology.  **Instructional Strategies:**  Individual Assessment  **Task/Activity/Assignment:**  -Students learn how to use GPS for navigation.  -Download Geocaching Scavenger Hunt App  **Resources:** Quiz |
| **Thursday** | **Objective:**  -Be able to classify 10 plants by plant taxonomy system.  **Instructional Strategies:**  -Individual Plant ID Project  **Task/Activity/Assignment:**  Taxonomy classification assignment worktime  **Resources:** Plant ID Assignment Handout,resource books | **Objective:** Master objectives of Inv. 1 & 2  **Instructional Strategies:**  Teacher led / Individual assessments  **Task/Activity/Assignment:**  -Inv. 1&2 Summative Exam  **Resources:** Inv. 1&2 Sum. Exam Copies | **Objective:**  -Compare/Contrast food scientist vs. food technologist  -Learn the scientific method  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  -Food Science Issues  - Ch. 3 Quiz  **Resources:**  - Ch. 3 Quiz | **Objective:** Learn math formulas used in Small Engines industry.  **Instructional Strategies:**  Individual Assignment  **Task/Activity/Assignment:**  Ch. Practice Packet | **Objective:**  **-**Classify 25 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning  **Task/Activity/Assignment:**  Tree/Leaf ID Project (Inside)  **Resources:** Trees, Leave, resource books AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students will research an agriscience career.  **Instructional Strategies:**  Individual Exploration  **Task/Activity/Assignment:**  Ag Career Research Assignment  **Resources:** Working Internet & Computers, Worksheet |
| **Friday** | **Objective:**  -Learn about World Food Origins  **Instructional Strategies:**  -Whole group Instruction  **Task/Activity/Assignment:**  - World Food Origins Lecture  -World Food Origin Assignment  **Resources:** Text, Wksht. | **Objective:** 1)Monitor changes in milkweed bug population. 2)Describe the sequence of changes that constitute a milkweed bug’s lifecycle.  **Instructional Strategies:**  Individual observations & small groups  **Task/Activity/Assignment:**  -Record observations in journals.  -Insect habitat care for weekend  -Exam Feedback/Corrections, if needed  **Resources:** CorrectedAssessment, Text, bug habitat supplies | **Objective:** -Learn employability skills needed to be successful in FS Careers  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:** -Food Science Issues -FS Issues Work Day/SAE Project Work Day  **Resources:**  SAE Packets | No Class- Homecoming Activities | No Class- Homecoming Activities | **Combined Class w/ Mr. Gray’s class**  **??? TBD ???** |