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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 assignmentAssign 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 booksAES: D.12.1, D.12.2, D.12.4SES: 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 assignmentAssign 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 booksAES: D.12.1, D.12.2, D.12.4SES: 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 booksAES: D.12.1, D.12.2, D.12.4SES: 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 booksAES: D.12.1, D.12.2, D.12.4SES: 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 ???** |