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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #5**  **Week of Sep. 30 –Oct. 4th, 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:** Prepare Greenhouse for Poinsettia Plants  **Instructional Strategies:**  -Greenhouse work  **Task/Activity/Assignment:**  -Instructions for greenhouse sterilization/cleaning  -Break into groups  -Clean  **Resources:** Buckets, bleach, brushes, trashbags | **Objective:** Students learn about the Mono Lake Ecosystem, specifically the organisms and abiotic factors.  **Instructional Strategies:**  Teacher led directions / “Video Fieldtrip” (Inv. 4 Pt. 1)  **Task/Activity/Assignment:**  -Review Ecosystem  -Introduce Mono Lake  -Preview Think Questions -Students complete Video Wksht  -Observe Milkweed Bugs  **Resources:** Of “Ice & Fire” Video, Video Wksht | **Objective:** students can distinguish between ingredient quality in foods.  **Instructional Strategies:**  Taste Test Lab  **Task/Activity/Assignment:**  -Food Science Issues  -Ingredient Quality Lab  **Resources:** Pizzas, Home Ec Room, Paper Plates, Lab Sheets | **Objective:** Review Ch. 1 Concepts  **Instructional Strategies:**  -Partner Activity  **Task/Activity/Assignment:**  -Finish Ch. 1(A) Review Packet/Correct  **Resources :**Text, Wksht | **Objective:**  **-**Learn different functions of the tree’s vascular system.  **Instructional Strategies:**  -Teacher instruction/Small Group  **Task/Activity/Assignment:**  -Look at Tree rings to view different structures  **Resources:** Tree Samples  AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students learn the basics of geocaching, while learning to use iMovie to show learning.  **Instructional Strategies:**  Small Group  **Task/Activity/Assignment:**  -Students shoot geocaching iMovie Videos  **Resources:** iPads, gps units, computers |
| **Tuesday** | **Objective:** Learn plant structure & physiology  **Instructional Strategies:**  -Independent Learning  **Task/Activity/Assignment:**  -Eyewitness Plant Video & Wksht  **Resources:**  -Eyewitness Plant Video & Wksht | **Objective:** Students will understand the concept of a food web, through focusing on a food web in the case-study of Mono Lake.  **Instructional Strategies:**  Individual observations & small groups  **Task/Activity/Assignment:** (Inv. 4 Pt. 2)  -Introduce Organism Cards, describe arrow direction  -Define Producers, Consumers, Decomposers  -Start the feeding-relationship card task (20 min)  -Introduce Food Chain/Food Web  -Observe Milkweed Bugs  **Resources:** Observation journals, milkweed bugs/habitats, magnifying glasses | **Objective:**  -Students are able to explain causes of food-borne illnesses.  **Instructional Strategies:**  Video Instruction  **Task/Activity/Assignment:**  Great Food Fight Video Food Safety & Preservation Terms  **Resources:** Video, Wksht | **Objective:** Develop Leadership Skills  **Instructional Strategies:**  Differentiated Instruction  **Task/Activity/Assignment:**  -Sub. Teacher Activity Grid Assignment  **Resources:** Wksht | **Objective:**  **-**Classify 20 plants using taxonomy  **-**Learn different functions of the tree’s vascular system.  **Instructional Strategies:**  Video Instruction    **Task/Activity/Assignment:**  -Leaf Id Projects Due  -Eyewitness Tree Video w/ Assignment  **Resources:** Video, Wksht  AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students learn the basics of geocaching, while learning to use iMovie to show learning.  **Instructional Strategies:**  Small Group  **Task/Activity/Assignment:**  -Students shoot geocaching iMovie Videos  **Resources:** iPads, gps units, computers |
| **Wednesday** | **Objective:** Learn the origins of common worldwide foods.  **Instructional Strategies:**  **Task/Activity/Assignment:**  Ch. 2-Origins of Cultivated Plants  **Resources:** Text, Unit 2 PP | **Objective:**. Students will understand the concept of a food web, through focusing on a food web in the case-study of Mono Lake.  **Instructional Strategies:**  Individual observations & small groups  **Task/Activity/Assignment:**  -Review Layered Food Web  -Use FossWeb Food Web Simulation  -Observe Milkweed Bugs  **Resources:** Computers**,** Observation journal wksht, milkweed bugs/habitats, magnifying glasses | **Objective:** -Students are able to explain causes of food-borne illnesses.  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  “What’s Bugging You” Presentation  AES: A.12.2, A.12.3 ITL:C.12.1, D.12.1  **Resources:** Textbook | **Objective:** Review Ch. 1 Concepts  **Instructional Strategies:**  Group Activity  **Task/Activity/Assignment:**  Ch. 1(B) Review Packet/Correct  **Resources:** Text, Wksht | **Objective:**  **-**Learn to use forestry Measuring Equipment  **Instructional Strategies:**  -Individual & Small Group Learning  **Task/Activity/Assignment:**  -Hypsometer/Biltmore Stick Timber Cruising Lab -Increment Borer Lab- Tree Aging Lab   **Resources:** Measuring Equipment  AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students learn the basics of geocaching, while learning to use iMovie to show learning.  **Instructional Strategies:**  Small Group  **Task/Activity/Assignment:**  -Students edit geocaching iMovie Videos  -Upload to account  **Resources:** iPads, gps units, computers |
| **Thursday** | **Objective:** Able to give examples of new crops that could be used for industrial purposes.  **Instructional Strategies:**  -Individual Assignment  **Task/Activity/Assignment:**  5 Crops of the Future Project  **Resources:** Computer, Text | **Objective:**. Students will understand the concept of a food web, through focusing on a food web in the case-study of Mono Lake.  **Instructional Strategies:**  Individual observations & small groups  **Task/Activity/Assignment:**  Finish FossWeb Food Web Simulation  -Observe Milkweed Bugs  -Mono Lake Response Sheet Assignment  **Resources:** Computers**,** Observation wksht, bugs/habitats, magnifying glasses, Mono Lake Response Sheet Assignment | **Objective:**  -Students are able to explain causes of food-borne illnesses.  **Instructional Strategies:**  Individual Projects  **Task/Activity/Assignment:**  - Food Safety Table Tents  AES: C.12.2 ITL: A.12.3, A.12.5, C.12.1  **Resources:** Markers, Paper | **Objective:** Summative Assessment-Mastery of Ch. 1  **Instructional Strategies:**  -Individual Exam  **Task/Activity/Assignment:**  Ch. 1 Exam  **Resources:**  Exam | **Objective:**  **-**Learn to use forestry Measuring Equipment  **Instructional Strategies:**  -Individual & Small Group Learning  **Task/Activity/Assignment:**  -Tree Trunk Anat/Physiology Quiz  -Hypsometer/Biltmore Stick Timber Cruising Lab -Increment Borer Lab- Tree Aging Lab   **Resources:** Measuring Equipment  AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students learn the basics of geocaching, while learning to use iMovie to show learning.  **Instructional Strategies:**  Small Group  **Task/Activity/Assignment:**  -Students view/critique videos  -GPS/GIS/Geocache Assessment  **Resources:** iPads, gps units, computers, Quiz |
| **Friday** | **Objective:** Able to give examples of new crops that could be used for industrial purposes.  **Instructional Strategies:**  -Individual Assignment / Student Presentations  **Task/Activity/Assignment:**  5 Crops of the Future Project Presentation Ch. 2 (1-15)  **Resources:** Computer, LCD Projector, Text | **Objective:** To monitor if Students have mastered competencies in this unit.  **Instructional Strategies:**  Individual assessment  **Task/Activity/Assignment:**  -Students take assessment  -Insect habitat care for weekend  -Exam Feedback/Corrections, if needed  **Resources:** Assessment, 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:** Microorganisms Word Find  Ch. 11-Food Safety  AES: A.12.2, A.12.3 ITL:C.12.1, D.12.1 **Resources:** Text, Poster board, markers | **Task/Activity/Assignment:**  Pass Exams Back  **No Class- Homecoming Activities** | **No Class- Homecoming Activities** | **No Class- Homecoming Activities** |