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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 SamplesAES: D.12.1, D.12.2, D.12.4SES: 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 VideoFood 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, WkshtAES: D.12.1, D.12.2, D.12.4SES: 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.12.3ITL: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.12.4SES: 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.12.2ITL: 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.12.4SES: 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 PresentationCh. 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.12.3ITL: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** |