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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #3**  **Week of Sep. 16th -20th, 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:** Learn the major crops of importance found in Western WI.  **Instructional Strategies:**  Individual/Small Groups  **Task/Activity/Assignment:**  -Hand back Quizzes/Feedback  -Compare Observational study vs. Experimental Study  -Introduce Jane Goodall & Chimp. Experiment (video)  **Resources:** Among Chimpanzee Video, Video Wksht | **Objective:** Able to contrast experimental vs. observational science.  **Instructional Strategies:**  Teacher led / Individual learning  **Task/Activity/Assignment:**  -Hand back Quizzes/Feedback  -Compare Observational study vs. Experimental Study  -Introduce Jane Goodall & Chimp. Experiment (video)  **Resources:** Among Chimpanzee Video, Video Wksht | **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 4)  -Food Science Issues  -In Good Taste Video w/ Assignment  **Resources:** Video, Wksht, | **Objective:** Learn about evolution of engines throughout history  **Instructional Strategies:**  -Small Group Project  **Task/Activity/Assignment:**  -Engine History Project  **Resources:** Internet, computer, posterboard | **Objective:**  **-**Classify 20 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning  -Inside Work 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 become proficient using GIS software.  **Instructional Strategies:**  Partner/Individual Computer Assignment  **Task/Activity/Assignment:**  -Students continue to work completing Google Earth Scavenger Hunt  **Resources:** Working Computers w/ Google Earth |
| **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:** Able to contrast experimental vs. observational science.  **Instructional Strategies:**  Teacher led / Individual learning  **Task/Activity/Assignment:**  -Hand back Quizzes/Feedback  -Compare Observational study vs. Experimental Study  -Continue Jane Goodall & Chimp. Experiment (video)  **Resources:** Among Chimpanzee Video, Video Wksht | **Objective:**  -Compare/Contrast Food Scientist/Technologist Careers  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  - Continue Tomato Enzyme Lab (Day 5)  -Food Science Issues  -Finish compare/contrasting Food Scientist/technologist  -Ch. 2 Pg. 26 (1-10)  **Resources:** Compare/Contrast Overhead Transparency | **Objective:** Learn about evolution of engines throughout history  **Instructional Strategies:**  -Class Presentations  **Task/Activity/Assignment:**  -Class Presentations  **Resources:** Internet, computer, posterboard | **Objective:**  **-**Classify 20 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 become proficient using GIS software.  **Instructional Strategies:**  Partner/Individual Computer Assignment  **Task/Activity/Assignment:**  -Students continue to work completing Google Earth Scavenger Hunt  **Resources:** Working Computers w/ Google Earth |
| **Wednesday** | **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:** Able to contrast experimental vs. observational science.  **Instructional Strategies:**  Teacher led / Individual learning  **Task/Activity/Assignment:**  -Finish Video  -Correct Worksheet  **Resources:** Among Chimpanzee Video, Video Wksht | **Objective:** Review Concepts taught past 2 ½ weeks for summative assessment.  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  - Continue Tomato Enzyme Lab (Day 6)  **-**Correct Ch. 2 Pg. 26 (1-10)  **-**Review for Ch. 1 / 2 Assessment  **Resources:**  Textbook | **Objective:** Contrast Potential vs. Kinetic Energy, 3 States of matter, contrast conduction, convection, radiation  **Instructional Strategies:**  -Notes, Individual Assignment  **Task/Activity/Assignment:**  -Pg. 5-10 Study Guide  **Resources:** Ch. 1 Wksht, Chalk for demonstration | **Objective:**  **-**Classify 20 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning  **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:** Learn about & how to use GPS/GIS Technology  **Instructional Strategies:**  Small Group Exploration  **Task/Activity/Assignment:**  -Students learn how to use GPS for navigation.  -Download Geocaching Scavenger Hunt App  **Resources:** GPS Units |
| **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:** Able to contrast experimental vs. observational science.  **Instructional Strategies:**  Teacher led / Individual learning  **Task/Activity/Assignment:**  -Student Reaction Paper to video, due @ end of hour.  **Resources:** Among Chimpanzee Video, Video Wksht | **Objective:**  -Compare/Contrast food scientist vs. food technologist  -Learn the scientific method  **Instructional Strategies:**  Small Group / Teacher led discussion  **Task/Activity/Assignment:**  - Continue Tomato Enzyme Lab (Day 7)  -Food Science Issues  -Ch. 1 / 2 Assessment  -FS Issue Work time …  **Resources:**  Ch. 1 & 2 Assessment | **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 20 plants using taxonomy  **Instructional Strategies:**  -Individual & Small Group Learning  **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:** Learn about & how to use GPS Technology  **Instructional Strategies:**  Small Group Exploration  **Task/Activity/Assignment:**  GPS Assignment #2  **Resources:** GPS Units |
| **Friday** | **Objective:**  -Be able to classify 10 plants by plant taxonomy system.  **Instructional Strategies:**  -Individual Plant ID Project  **Task/Activity/Assignment:**  -Ch. 1 Exam  -Taxonomy classification assignment worktime  **Resources:** Plant ID Assignment Handout,resource books | **Objective: -**Able to contrast experimental vs. observational science  **Instructional Strategies:**  Teacher led / Individual learning  **Task/Activity/Assignment:**  -Unit 2 Summative Assessment  -Introduce Milkweed Bug Experiment (Observational Study)  -Begin Preparing Bug Habitats  **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:** -Continue Tomato Enzyme Lab (Day 8)  -Food Science Issues -Employability Skills brainstorm, safety skills, & work habits  **Resources:**  Text, Poster board, markers | **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:**  **-**Learn processes & functions of the vascular system of trees (dicotyledons).  **Instructional Strategies:**  -Individual & Small Group Learning  **Task/Activity/Assignment:**  -Tree Trunk Layers Notes -Project Learning Tree Activity   **Resources:** Tree Trunk Transparency  AES: D.12.1, D.12.2, D.12.4 SES: F.12.4 | **Objective:** Students learn the “sport” of geocaching using GPS units.  **Instructional Strategies:**  Small Group / Teacher led  **Task/Activity/Assignment:**  -Go to Evergreen Cemetery for Geocaching Activity  **Resources:** GPS Units, 2 school vans |