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