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|  | **Agricultural Science Dept. Mr. Jason Hovell** | **Week #18****Week of Jan. 6-10, 2014** |  |
|  | **Plant & Soil Science** | **Science 7** | **Food Science & Processing**  | **Small Engines** | **Wildlife, Forestry & Aquaculture****Instructional Strategies:****Resources:****Task/Activity/Assignment:** | **Exploring Ag 8** |
| **Monday** |  **No School**  - Weather | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather |
| **Tuesday** | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather | **No School**  - Weather |
| **Wednesday** | **Objective:** Learn how to calculate Growing Degree Days & Fertilizer Requirements for plant crops.**Instructional Strategies:**Individual Lab**Task/Activity/Assignment:**- GDD & Fertilizer Quiz**Resources:** Quiz  | **Objective:** Students will be able to define terms inheritance, chromosome, gene, allele, genotype, phenotype, dominant, recessive, and complete a dihybrid cross. **Instructional Strategies:**Teacher Direct Instruction/Individual Work**Task/Activity/Assignment:**-Hand back assignments, collect assignmentsIntroduce Dihybrid Cross Punnett Squares**Resources:** Dihybrid Cross Punnett Squares Wksht 1 | **Objective:** Students will learn the science of candy. **Instructional Strategies:**Small Group / Teacher led discussion**Task/Activity/Assignment:**-Candy Science Lab**Resources:** Food Science Room | **Objective:** Students learn engine troubleshooting techniques.**Instructional Strategies:**Individual/Small Group Exploration  **Task/Activity/Assignment:**-Troubleshooting Lab**Resources :**Troubleshooting Flow Chart | **Objective:** Students can explain the differences between Threatened, Endangered, and Extinct Species, and give 3 examples of each. **Instructional Strategies:**Individual**Task/Activity/Assignment:**-Threatened, Endangered, and Extinct Species Notes-Threatened, Endangered, and Extinct Assignment **Resources:** Directions sheet, Internet, text | **Objective:** Learn about USA Agriculture**Instructional Strategies:**Individual Activity**Task/Activity/Assignment:**-World Food Supply Activity **Resources :**Donuts, Overheads, notecards |
| **Thursday** | **Objective:** **Instructional Strategies:**Individual Lab**Task/Activity/Assignment:**Test Corrections**Resources: Test** | **Objective:** Students will be able to define terms inheritance, chromosome, gene, allele, genotype, phenotype, dominant, recessive, and complete a dihybrid cross. **Instructional Strategies:**Teacher Direct Instruction/Individual Work**Task/Activity/Assignment:**-Hand back assignments, collect assignmentsDihybrid Cross Punnett Squares**Resources:** Dihybrid Cross Punnett Squares Wksht 2 | **Objective:** Students will learn the science of candy. **Instructional Strategies:**Small Group / Teacher led discussion**Task/Activity/Assignment:**-Candy Science Taste Test Lab- classroom-Candy Notes- 15 Things I expect you to know**Resources:** Rubrics | **Objective:** Students learn engine troubleshooting techniques.**Instructional Strategies:**Individual/Small Group Exploration  **Task/Activity/Assignment:**-Troubleshooting Lab**Resources :**Troubleshooting Flow Chart | **Objective:** Students can explain the differences between Threatened, Endangered, and Extinct Species, and give 3 examples of each.**Instructional Strategies:**Individual**Task/Activity/Assignment:**-Final Exam Study GuideThreatened, Endangered, and Extinct Research Project **Resources:** Directions sheet, Internet, text | **Objective:** Learn about USA Agriculture**Instructional Strategies:**Individual Activity**Task/Activity/Assignment:**-Careers in Agriculture License Plate Assignment**Resources :** License Plate copies, markers |
| **Friday** | **Objective:** Review Semester Concepts**Instructional Strategies:**Individual Lab**Task/Activity/Assignment:**- Semester Study Guide Review **Resources:** Semester Study Guide | **Objective:** Students will be able to define terms inheritance, chromosome, gene, allele, genotype, phenotype, dominant, recessive, and complete a dihybrid cross. **Instructional Strategies:**Teacher Direct Instruction/Individual Work**Task/Activity/Assignment:**-Hand back assignments, collect assignmentsDihybrid Cross Punnett Squares**Resources:** Dihybrid Cross Punnett Squares Wksht 3 | **Objective:** Students will learn the science of candy. **Instructional Strategies:**Small Group / Teacher led discussion**Task/Activity/Assignment:**-Hand out Food Science Final Guide Candy Science Lab-Sugar Temps**Resources:** Food Science Room | **Objective:** Students learn engine troubleshooting techniques.**Instructional Strategies:**Individual/Small Group Exploration  **Task/Activity/Assignment:**-Carburetor Theory **Resources :**Carburetor Video | **Objective:** Students can explain the differences between Threatened, Endangered, and Extinct Species, and give 3 examples of each.**Instructional Strategies:**Individual**Task/Activity/Assignment:**-Threatened, Endangered, and Extinct Research Project **Resources:** Directions sheet, Internet, text | **Objective:** Learn about USA Agriculture**Instructional Strategies:**Individual Activity**Task/Activity/Assignment:**-Careers in Agriculture License Plate Assignment**Resources :** License Plate copies, markers |