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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 assignments Introduce 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 assignments Dihybrid 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 Guide 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 |
| **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 assignments Dihybrid 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 |