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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #24**  **Week of Feb 17-21, 2014** |  | | | |
|  | **Plant & Soil Science** | **Science 7** | **Landscape Design & Construction** | **Wildlife, Forestry & Aquaculture** | **Small Engines/Renewable Energy**  **Instructional Strategies:**  **Resources:**  **Task/Activity/Assignment:** | **Exploring Ag** |
| **Monday** | **Objective:** Students can describe the 4 main types of hydroponics systems.  **Instructional Strategies:** Student notes/questions  **Task/Activity/Assignment:**  Hand in Greenhouse Projects  Hydroponics Lecture  **Resources: PP** | **Objective:** Students can measure voltage drop within a closed circuit.  **Instructional Strategies:**  Teacher Instruction/Students Exploration  **Task/Activity/Assignment:** Measuring Voltage Drop Activity Inv. 3: Pt. 1    **Resources :** Batteries, lamps, blue springboards, overheads, | **Objective:** Students can apply the fermentation equation learned in food science to make root beer.  **Instructional Strategies:** Teacher led practice  **Task/Activity/Assignment:**  Fermentation Lab- Root Beer  **Resources:** sugar, bucket, yeast,, extract, recipe | **Objective:** Students can explain the factors that affect deer population.    **Instructional Strategies:**  -Group Inquiry Based Activity  **Task/Activity/Assignment:**  -Deer Distribution/Population Density Lab- Day #1    **Resources :** Deer Education Trunk | **Objective:** Students will complete a small engine project.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Production Lab | **Objective:** Students can explain the steps in fermentation  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  Bread Fermentation Lab  **Resources**: Bread Ingredients, Lab Sheet |
| **Tuesday** | **O** **Objective:** Students can describe the 4 main types of hydroponics systems.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Hydroponics Models  **Resources: Activity Sheet** | **Objective:** Students can measure voltage drop within a closed circuit.  **Instructional Strategies:**  Teacher Instruction/Student Exploration Lab  **Task/Activity/Assignment:** Resistance/Voltage Relationship Investigation Lab  Inv. 3: Pt. 2  **Resources** : Batteries, lamps, blue springboards, overheads | **Objective:** Students can apply the fermentation equation learned in food science to make root beer.  **Instructional Strategies:** Teacher led practice  **Task/Activity/Assignment:**  Fermentation Lab- Root Beer  **Resources:** sugar, bucket, yeast,, extract, recipe | **Objective:** Students can explain the factors that affect deer population.    **Instructional Strategies:**  -Group Inquiry Based Activity  **Task/Activity/Assignment:**  -Deer Distribution/Population Density Lab- Day #2    **Resources :** Deer Education Trunk | **Objective:** Students will complete a small engine project.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Production Lab | **Objective:** Students can explain the steps in fermentation  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  Bread Taste Analysis Lab  **Resources**: Bread, Lab Sheet |
| **Wednesday** | **Objective:** Students can explain the science behind hydroponics.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Hydroponics WebQuest  **Resources: Activity Sheet** | **No Class- Crossroads Program** | **Objective:** Students can use appropriate penmanship to add detail of lettering to their landscape designs.  **Instructional Strategies:** Student Drafting Time  **Task/Activity/Assignment:**  Lettering Assignment  **Resources:** Scales, paper, assignment  AES:D.12.4 ITL:C.12.1, D.12.1 | **No School** | **No School** | **No School** |
| **Thursday** | **No School** | **No School** | **No School** | **No School** | **No School** | **No School** |
| **Friday** | **No School** | **No School** | **No School** | **No School** | **No School** | **No School** |