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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 ProjectsHydroponics 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 LabInv. 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.12.4ITL: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** |