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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #27**  **Week of March 10-14th, 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 design and construct a hydroponics system.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Plant seeds/Finalize Hydroponic Systems  **Resources:** seeds, supplies | **Objective:** Students can Identify the components found within an electrical device.  **Instructional Strategies:**  Teacher Instruction/Student Exploration Lab-Day 2  **Task/Activity/Assignment:** Electronic Dissection Lab  **Resources** : Inventory Lab Sheet | **Objective:** Understand the basic principles of landscape design.  **Instructional Strategies:** Notes/Lecture  **Task/Activity/Assignment:**  Principles of Landscape Design  **Resources:** computers | **Objective:** Students can take a stance on a wildlife topic through a debate format, and can provide evidence to support their claims.    **Instructional Strategies:**  -Group Project  **Task/Activity/Assignment:**  Wildlife Debate #1 (Use Ipad to Record)  **Resources :** Internet, Computer, Text Resources | **Objective:** Students will produce ethanol.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Lab Observations Ethanol Experiment Pt. A | **Objective:** Students will research career interests in the agriculture career cluster.  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  Career Cruising Assignment  **Resources**: Career Cruising Assignment |
| **Tuesday** | **Objective:** Students can design and construct a hydroponics system.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Hydroponics Quiz  **Resources:** internet, paper | **Objective:** Students can Identify the components found within an electrical device.  **Instructional Strategies:**  Teacher Instruction/Student Exploration Lab-Day 3  **Task/Activity/Assignment:** Electronic Dissection- Writing Assignment Summary  **Resources** : Response Prompts Sheet | **Objective:** Understand the basic principles of landscape design.  **Instructional Strategies:** Notes/Lecture  **Task/Activity/Assignment:**  Principles of Landscape Design  **Resources:** computers | **Objective:** Students can take a stance on a wildlife topic through a debate format, and can provide evidence to support their claims.    **Instructional Strategies:**  -Group Project  **Task/Activity/Assignment:**  Wildlife Debate #2 (Use Ipad to Record)  **Resources :** Internet, Computer, Text Resources | **Objective:** Students will produce ethanol.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Differentiation Activity Work Day | **Objective:** Students will research career interests in the agriculture career cluster.  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  Career Cruising Assignment  **Resources**: Career Cruising Assignment |
| **Wednesday** | **Objective:** Students can design and construct a hydroponics system.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Plant seeds/Finalize Hydroponic Systems  **Resources:** seeds, supplies | **Objective:** Students can calculate resistance in series circuits.  **Instructional Strategies:**  Teacher Instruction/Student Work Time  **Task/Activity/Assignment:** Calculating Resistance in Series Wksht Pg. 22  **Resources** : Wksht, Calculator | **Objective:** Understand the basic principles of landscape design.  **Instructional Strategies:** Drafting Exercise  **Task/Activity/Assignment:**  Landscape Design Principles PP Assignment  **Resources:** computers | **Objective:** Students can take a stance on a wildlife topic through a debate format, and can provide evidence to support their claims.    **Instructional Strategies:**  -Group Project  **Task/Activity/Assignment:**  Critique Debate Points  Turnitin Paper feedback  **Resources :** Internet, Computer, Text Resources | **Objective:** Students will produce ethanol.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Experiment Pt. B | **Objective:** Students can explain the steps in fermentation  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  Bread Lab #2  **Resources**: Bread, Lab Sheet |
| **Thursday** | **Objective:** Students can design and construct a hydroponics system.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Plant seeds/Finalize Hydroponic Systems  **Resources:** seeds, supplies | **Objective:** Students can calculate resistance in parallel circuits.  **Instructional Strategies:**  Teacher Instruction/Student Work Time  **Task/Activity/Assignment:** Review/Correct Pg. 22 Wksht in class  Calculating Resistance in Parallel Wksht Pg. 23-25  **Resources** : Wksht, Calculator | **Objective:** Understand the basic principles of landscape design.  **Instructional Strategies:** Drafting Exercise  **Task/Activity/Assignment:**  Landscape Design Principles PP Assignment  **Resources:** computers | **Objective:** Students can take a stance on a wildlife topic through a debate format, and can provide evidence to support their claims.    **Instructional Strategies:**  -Group Project  **Task/Activity/Assignment:**  Trapping in Today’s World Video  Trapping Safety Forms /Issue Student Manuals  **Resources :** Video, Forms, DNR Manuals | **Objective:** Students will produce ethanol.  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Experiment Pt. C | **Objective:** Students can explain the steps in fermentation  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  Bread Taste Analysis Lab  **Resources**: Bread, Lab Sheet |
| **Friday** | **Objective:** Students can design and construct a hydroponics system.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Greenhouse Soil Amendments Lab  **Resources:** bring soil amendment to class | **Objective:** Students can Identify the components found within an electrical device.  **Instructional Strategies:**  Teacher Instruction/Student Exploration Lab-Day 3  **Task/Activity/Assignment:** Review/Correct Pg. 23-25 Wksht in class  Reading: Pg. 16 Using Resistors in Combinations  **Resources** : Wksht, Calculator | **Objective:** Understand the basic principles of landscape design.  **Instructional Strategies:** Drafting Exercise  **Task/Activity/Assignment:**  Landscape Design Principles PP Assignment  **Resources:** computers | **Objective:** Students participate in the DNR Trapper Safety Program.  **Instructional Strategies:**  -Whole Group Instruction  **Task/Activity/Assignment:**  Make PP of 30 Common Wildlife Species & Tracks  **Resources :** Manuals | **Objective:** Students will produce ethanol, and compare/contract it with other fuels..  **Instructional Strategies:**  Students in lab/shop  **Task/Activity/Assignment:**  Ethanol Experiment Pt. D | **Objective:** Students can explain the importance of agriculture in the USA.  **Instructional Strategies:**  Lab  **Task/Activity/Assignment:**  USA Agriculture Lesson  **Resources**: USA Agriculture wksht |