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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 ObservationsEthanol 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 PointsTurnitin 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 classCalculating 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 VideoTrapping 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 classReading: 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 |