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|  | **Agricultural Science Dept.  Mr. Jason Hovell** | **Week #26**  **Week of March 3-7th, 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 identify main components of a hydroponics system.  **Instructional Strategies:** Student Research  **Task/Activity/Assignment:**  Ch. 8 Soilless Plant Production Pg. 189 (1-18)  **Resources:** book | **Objective:** Students can state the 3 Great Truths & use the 3 Great Truths to calculate % of Resistance & Voltage.  **Instructional Strategies:**  Teacher Instruction/Students Exploration  **Task/Activity/Assignment:** 3 Great Truths Voltage/Resistance Quiz  Start Fossweb Component Research Assignment if time allows - Fossweb.com  **Resources :** Quiz, Internet, Lab Sheet | **Objective:** Students can identify good vs. bad landscaping  **Instructional Strategies:** Partner exploration  **Task/Activity/Assignment:**  Good, Bad & Ugly Landscaping Presentations  **Resources:** computers | **Objective:** Students can explain what they learned about deer.    **Instructional Strategies:**  -Individual Assignment  **Task/Activity/Assignment:**  -Reflection Assignment, submit to TurnItIn.com  -Watch debate: Trapping in Today’s World  **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 visually identify and explain the purpose of different electrical components within an object,  **Instructional Strategies:**  Teacher Instruction/Student Exploration Lab  **Task/Activity/Assignment:** Fossweb Component Research Assignment- Fossweb.com  **Resources** : Lab Sheet, Internet, Fossweb.com | **Objective:** Students can draw landscape design symbols to scale.  **Instructional Strategies:** Drafting Exercise  **Task/Activity/Assignment:**  Finish Friday’s Activity in class  **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:**  -Introduce Debate Format  -Form Debate Teams  -#1- New Deer Registration Laws  -#2 Should Wolf Hunting Be Allowed in WI?  **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 Identify the components found within an electrical device.  **Instructional Strategies:**  Teacher Instruction/Student Exploration Lab- Day 1  **Task/Activity/Assignment:** Electronic Dissection Lab  **Resources** : Inventory Lab Sheet | **Objective:** Students can draw landscape design symbols to scale.  **Instructional Strategies:** Drafting Exercise  **Task/Activity/Assignment:**  Finish Friday’s Activity in class  **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:**  -Research debate topic Points  -Form Debate Teams  -#1- New Deer Registration Laws  -#2 Should Wolf Hunting Be Allowed?  **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 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:** Students can draw landscape design symbols to scale.  **Instructional Strategies:** Drafting Exercise  **Task/Activity/Assignment:**  Finish Friday’s Activity in class  **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:**  -Research debate topic Points  -Form Debate Teams  -#1- New Deer Registration Laws  -#2 Should Wolf Hunting Be Allowed?  **Resources :** Internet, Computer, Text Resources | **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:** Electronic Dissection Lab  Dissection Lab Summary  **Resources** : Inventory Lab Sheet | **Objective:** Students can identify good vs. bad landscaping  **Instructional Strategies:** Partner exploration  **Task/Activity/Assignment:**  Landscape Video & wksht  **Resources:** Video & wksht | **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, 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 |