|  |  |  |
| --- | --- | --- |
| [Name of lesson]  [Name of Unit] | | |
| **Grade Level**  **Lesson Length**  **STEM Careers**  **Next Generation Science Standards**  **Agricultural Science Standards** |  | http://www.broadcomfoundation.org/img/about/STEMgraphic.png  *These lessons aim to bring the science, skills of inquiry, critical thinking, and problem solving to life through an agricultural context.*  Learning Objectives  By the end of the unit, students should be able to:  Materials List |

|  |  |
| --- | --- |
| C:\Users\kblack6\AppData\Local\Temp\STEM Careers Icons.pngDo  Introduction (Interest Approach that aligns with the Investigation)  Investigation  Research Questions |  |
| Learning Activity 1: [name of learning activity]  Learning Activity 2: [name of learning activity]  Learning Activity 3: [name of learning activity] | |
| C:\Users\kblack6\AppData\Local\Temp\STEM Careers Icons.pngReflection | |
| C:\Users\kblack6\AppData\Local\Temp\STEM Careers Icons.pngApply | |
| **References:** | |

Experiment Guidelines

Name:

***Lab Report***

**Please complete the following report during the design and implementation of your experiment.**

Research Problem

* Describe what you are investigating and justify why you are investigating the problem.

Hypothesis

* Formulate one or more hypotheses for your experiment.

Procedures

* Create the steps you will follow for your experiment.

Data Collection

* Describe the data that you will collect during your experiment.
* Provide graphs, tables, charts, and raw data as necessary.

Results

* Explain your results.

Conclusion

* Based on your data:
  + What can you conclude?
  + Were your hypotheses supported?
  + Were their limitations to your experiment?
  + What are new research questions that derived from this study?