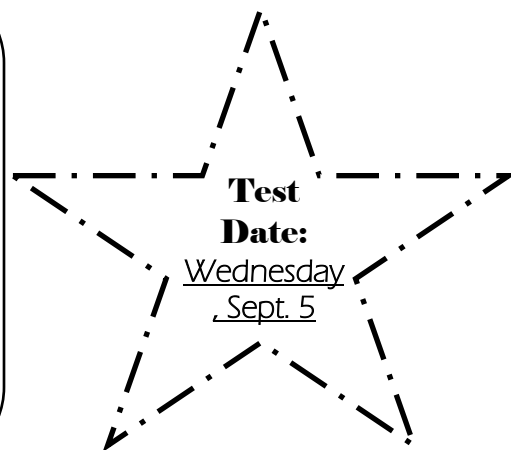


Safety and Experimental Design Unit



I CAN -

- 1. Discuss how I should respond to a safety emergency. **1A**
- 2. Differentiate between inference and prediction. **2G**
- 3. Design and conduct an experiment using valid scientific practices. **2E 2F**
- 4. Analyze, evaluate, make inferences and predict trends from data. **2G**
- 5. Interpret the data within a given graph and/or table and communicate valid conclusions based on experimental data. **2G 2H 3C**
- 6. Accurately perform I^2 to interpret data and make a claim supported by evidence and reasoning. **3A**
- 7. Distinguish between qualitative and quantitative data. **2F**



Words to Know

Theory, Hypothesis, Independent variable, Dependent variable, Control group, Constants

Calendar

Monday 8/20	Tuesday 8/21	Wednesday 8/22	Thursday 8/23	Friday 8/24
Topic: First Day of School By the end of the period I can: Smile. Day 1 is complete. 😊	Topic: Safety Activities: Safety Discussion By the end of the period I can: 1	Topic: Experimental Design Activities: Lab Planning By the end of the period I can: 1, 2, 3, 7	Topic: Experimental Design Activities: Lab By the end of the period I can: 1, 3, 5	Topic: Experimental Design Activities: Experiment discussion By the end of the period I can: 2, 4, 5, 7
Monday 8/27	Tuesday 8/28	Wednesday 8/29	Thursday 8/30	Friday 9/31
** Supplies DUE ** Topic: Experimental Design, Graphing and I^2 Activities: Experiment discussion By the end of the period I can: 2, 4, 5, 6, 7	Topic: Experimental Design Activities: Experiment Review By the end of the period I can: 1, 2, 3, 4, 5, 6, 7	Topic: Experimental Design Activities: Claim, Evidence, Reasoning By the end of the period I can: 4, 5, 6	Topic: Experimental Design Activities: Claim, Evidence, Reasoning By the end of the period I can: 4, 5, 6	Topic: Experimental Design Activities: Claim, Evidence, Reasoning By the end of the period I can: 4, 5, 6
Monday 9/3	Tuesday 9/4	Wednesday 9/5	Thursday 9/6	Friday 9/7
Labor Day No School 😊 😊 😊 😊 😊 😊	Topic: Experimental Design Activities: Review By the end of the period I can: 1, 2, 3, 4, 5, 6, 7 Exam over Safety and Experimental Design		

**** This is a tentative calendar and subject to change.

Safety Information

Experimental Design – Parts of an Experiment and How to Properly Conduct an Experiment

Making and Interpreting Graphs (I², CER)

Additional Vocabulary and Images for Study