

Lesson 2- Daily Agenda for Students



Day 1-Biology

Lesson 2-Laboratory Equipment

- Bell Ringer –List at least 3 types of laboratory equipment and explain the function of each.
- Complete the lab equipment activity. (Inquiry)
 - Procedures for rotating through the lab.
- Review Lab Equipment
- Closing-Identify the function of two unique pieces of equipment.
 - Review classroom procedures
- Homework-Review/study the pieces of equipment and their functions.

Day 2-Biology

Lesson 2- Mealworms Lab

- Bell Ringer –Lab safety worksheet
 - Discussion of lab expectations
- Complete the mealworm lab- part 1
 - Observations/Measurements
 - Research-independently- Be sure to keep track of your sources since you will need them for your research report.
- Closing-Share out something you found interesting about the mealworm during your observations/measurements. What did you notice?
- Homework-Begin considering a testable question.

Day 3-Biology

Lesson 2- Mealworms Lab

- Bell Ringer –Analysis of Experimental Procedure Worksheet
 - Discussion of procedural writing expectations
- Complete the mealworm lab- part 2
 - Mealworm Research
 - Developing a testable question and hypothesis.
 - Begin considering your procedures.
- Closing: Share out something you found interesting about the mealworm during your research. Record anything your classmates mentioned that you did not include.
- Homework-Finish Your Research if you have not. Think about how you will design your experiment.

Day 4-Biology

Lesson 2- Mealworms Lab

- Bell Ringer –Experimental Design Procedures Worksheet
 - Discussion of procedural writing expectations
- Complete the mealworm lab
 - Develop your procedures. Be sure to identify the variables and groups as indicated on your handout.
 - All of your classmates should be able to reproduce your experiment based on the written procedures.
 - Your procedures must be approved before experimentation begins.
- Closing: Groups will read their procedures out loud while another group tries to complete their experimental setup.
- Homework-Refine your procedures and bring in any materials that are not being provided.

Day 5-Biology

Lesson 2- Mealworms Lab

- **Bell Ringer** – Create two data tables for collecting the data for their experimentation. A quantitative data table and a qualitative data table.
- Begin your experimentation.
 - Be sure to run some test trials and adjust your procedures if it is not going as expected.
 - Run and many trials as possible. A minimum of 5
- Closing: Groups will read their procedures out loud while another group tries to complete their experimental setup.
- **Homework-Refine your procedures and bring in any materials that are not being provided.**

Day 6-Biology

Lesson 2- Mealworms Lab

- **Bell Ringer** – Create a graph of your data. You may want to average your data or graph totals.
- Analyze your data. Discuss the results with your group.
- Write a conclusion based on your data.
- Closing: Share your written conclusion with the class and receive feedback.
- **Homework-Refine your conclusion based on feedback and the class discussion of the conclusions.**

Day 7-Biology

Lesson 2- Mealworms Lab

- **Bell Ringer** – Review the lab report rubric and guide.
- Create a graph of your data in excel/sheets.
- Begin working on your formal typed lab report.
- Closing: Discussion of difficulties/answer questions
- **Homework-study for the experimental design and equipment test.**

Day 8-Biology

Lesson 2- Mealworms Lab

- **Bell Ringer** – Review the lab report rubric and guide.
- Create a graph of your data in excel/sheets.
- Begin working on your formal typed lab report.
- Closing: Have another person read your lab report and offer feedback using the rubric.
- **Homework-study for the experimental design and equipment test.**

Day 9-Biology

Lesson 2- Mealworms Lab

- Bell Ringer –TEST-Prepare your desk by removing all of your stuff off of your desk. Have a pencil and be sure your electronic device is not with you.
- Homework-finish lab report if you have not turned it in. It is due: _____