

Physical Science Syllabus



Expectations

Have fun and do your best

Be on time to class with all materials, including any homework

Respect yourself, peers, teacher, and materials

Participate in all club activities

Watch all required videos and complete required readings BEFORE the lab

Turn in all lab reports ON TIME

Grading Policy

You are required to turn in a typed lab report for each lab that we complete in class. Your lab report will be graded based on the attached rubric. I strongly believe in a growth mindset and that true learning involves risk, creativity, and making mistakes, which is why you can always meet with me to get help if needed.

Contact Information

Email: erin.glasser@mead354.org

Website: <https://cultivating-curiosity.weebly.com/>

Lab Report Rubric

Name: _____

Date: _____

Lab Title: _____

Criteria	Checklist			Score
Introduction				
There is sufficient background information	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Included the guiding question	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Included a hypothesis with a scientific reason	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Procedure				
Provide a clear description of what was done during the investigation to collect data	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Described how data was analyzed (how did you look at the data and make sense of it?)	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Data				
Presented evidence appropriately by: <ul style="list-style-type: none"> • including a data table and/or a graph • correctly formatting and labeling the table/graph 	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Conclusion				
Makes an accurate and complete claim that answers the guiding question .	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Provides appropriate and sufficient evidence to support his or her claim.	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Provides accurate and complete reasoning that links evidence to the claim.	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Includes appropriate and sufficient scientific principles .	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Qualities of Communication / Mechanics				
Organization: Section headings, paragraphs include multiple sentences and begin with a topic sentence.	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Grammar: Sentences are complete, there are no run-on sentences.	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2
Conventions: Uses appropriate spelling, punctuation and capitalization.	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	0 1 2

Lab Safety Contract

Science is a hands-on class. To ensure a safe science classroom, a list of safety guidelines has been included in this student safety contract. Additional safety instructions will be given before each lab. If a student fails to follow these guidelines they may be removed from the class for the remainder of that lab and may not receive credit for that lab.



- 1. I will conduct myself in a responsible manner at all times.** Rough housing and pranks can be dangerous and are not allowed. Do not wander around the room, distract other students, or interfere with the work of others. Never run, hurry, or push someone in the lab.
- 2. I will perform only those experiments authorized by the teacher.** Do not try your own experiments or repeat experiments we do in class at home without permission.
- 3. I will read and follow all directions exactly as they are written.** If in doubt, ask your teacher for help!
- 4. I will not touch anything in the science lab until instructed to do so.** Any materials or lab equipment on counters should be left alone until you are instructed to use it.
- 5. I will work cooperatively with my lab partners to help them and myself learn as much as possible from the lab activities.** Treat the people in your lab group with respect.
- 6. I will only use lab equipment and materials in ways appropriate for the success of my lab.** All students are financially responsible for damaged equipment due to careless or irresponsible behavior or failing to follow directions.
- 7. I will not eat, drink, or chew gum in the lab. I will never taste or smell anything in the science lab.**
- 8. I will always wear safety goggles and/or gloves whenever I am working with hazardous chemicals.**
- 9. I will keep my lab area clean and neat.** Always clean up your work area and equipment after an experiment is completed. Equipment must be returned to its proper place.
- 10. I will not take anything from the lab unless the teacher checks it out in writing.**
- 11. I will learn where the safety equipment is located and learn how to use it.** Know where exits are located and what to do in case of a fire drill, evacuation, or lockdown.
- 12. I will never mix chemicals without my teacher's permission.**
- 13. I will help avoid spills by keeping lids on bottles and containers when not in use.** Report any spills to your teacher and get help cleaning it up appropriately.
- 14. I will never use broken or chipped glassware.** If glassware breaks, stop and report it immediately. Your teacher will clean up the broken glass, not you.
- 15. I will wash my hands after all experiments.**
- 16. I will follow all directions given by the teacher for cleaning up after a lab.**
- 17. I will immediately notify my teacher if I get a cut or have another injury while performing an experiment.**

Student/Parent Acknowledgement

I have read and understand the expectations for this science lab and promise to uphold them. I will always conduct myself in an appropriate manner and respect myself and others. I will work hard and turn in my lab reports on time. I will be an active learner and have fun!

Student Name (printed): _____

Student Signature: _____

Date: _____

Parent/Guardian Signature: _____

Date: _____