

**Brittany Allen**  
**Magic of Electrons Syllabus**  
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**Course Description:** Through hands-on projects, students explore electricity, the behavior and parts of atoms, and sensing devices. They learn knowledge and skills in basic circuitry design, and examine the impact of electricity on the world around them.

**Google Classroom Code:** jis9kz3

- **Required Materials:** Composition Notebook, Pencils/Pens
- **Beneficial Materials:** Colored pencils, Glue sticks, Scotch Tape
- **Grading:**  
Tests, Projects = 60%  
Homework, Labs, Bellwork, Quizzes = 40%
- **Test Days:** Monday/Thursday

**Technology:** The use of technology is encouraged at LMS. However, it is important that the students use it at the appropriate times. Students are asked to place personal devices in a designated holder in the classroom unless otherwise noted. Failure to follow this rule will result in disciplinary actions. (See discipline)

**Discipline:**  
First offense: Verbal warning  
Second offense: Detention and parent contact  
Third offense: Office referral

**Expectations**

Students are expected to be responsible for their science notebook throughout the semester. Notebook checks may be periodically taken for a daily grade. Homework will rarely be given during the semester, so students are asked to review their notes from class on a daily basis.

**Tardiness:** Tardy students will receive detention without an excuse from the office or another teacher. A student is considered tardy if they are not seated in their seats when the tardy bell rings.

**Make Up Work:** It is the student's responsibility to inquire (before/after class) about what assignments, notes, and class work they have missed. Students are held responsible for all material that they have missed while absent. For a one day absence, the student gets 3 days to make up missed work. Please schedule make up tests with the teacher.

**Late Work:** Work turned in after the due date will receive late credit no higher than 70%. Late work will be accepted until the end of the term.

**Be Respectful:** Raise your hand to speak or leave your seat during class. Pay attention to the teacher or peers while they are talking. Actively participate in group activities and labs.

**Be Responsible:** Come to class on time and prepared. Stay seated unless you have permission to be up. Get makeup work from the teacher or a peer. Do not waste or abuse classroom materials. Do not touch or take items that belong to others in the classroom.

**Be Safe:** Follow all safety rules when working in the lab. Keep hands and feet to yourself.

**Textbooks:** There are no textbooks for this class. All powerpoints and important information will be found on Google Classroom.

**Communication:** The best way to make contact with me is via email. Important dates and information will be sent throughout the semester via email.

**Google Classroom:** Class notes, project descriptions, rubrics, and other important information will be upload to Google Classroom. Your student will be able to access this information from anywhere they can log into their school account. If your student is absent, please check GC for any missed notes. Many of the activities are hands on in class and may not be able to be made up. Students are still responsible for understanding the concepts that they missed while absent.

## **Science Classroom Lab Safety Rules**

Science is a hands-on laboratory class. Students will be performing many lab activities that will require the use of chemicals, lab equipment, and other items, which if used incorrectly could be hazardous. Safety in the science classroom is the number one priority for students, teachers, and parents. To ensure a safe science classroom, a list of rules has been developed and provided to you in this student safety contract. These rules must be followed at all times. The student and parent must sign the contract. Please read the entire contract before you sign. **Students will not be allowed to participate in lab activities until their contract is signed and returned to the teacher.**

### **GENERAL GUIDELINES**

1. Conduct yourself in a responsible manner at all times.
2. Follow all written and verbal instructions carefully. If you do not understand, ask the teacher before proceeding with the activity.
3. When entering the lab, do not touch equipment, chemicals, or other materials until instructed to do so.
4. Perform only those experiments authorized by your teacher. Carefully follow all instructions provided. Unauthorized experiments are not allowed.
5. Do NOT eat, drink, or chew gum in the lab.
6. Be prepared for your work in the lab. READ all procedures thoroughly before entering the lab.
7. Horseplay, practical jokes, and goofing off are not permitted.
8. Observe good housekeeping practices. Keep area tidy and clean. Leave the lab better than you found it. This includes placing snap circuit materials back in the correct containers and plugging in computers.
9. Be alert and proceed with caution at all times. Notify the teacher of any unsafe conditions or accidents that occur.
10. Goggles must be worn in the lab at ALL times when soldering.
11. Experiments must be personally monitored at all times. Do not wander around the room or distract other students.
12. Tie back long hair and secure any loose clothing when soldering.
13. Do not touch the soldering iron to any part of your body or anyone else's.
14. Place soldering iron into the holder when you are finished using the tool. Unplug the iron when you are finished with your work.

### **CONSEQUENCES FOR BREAKING LAB SAFETY RULES**

1. Student will immediately stop the action and will discuss the issue with the teacher during class or break.
2. Parents will be contacted and asked to discuss the issue with the student.
3. Break or lunch detention. After school detention.
4. Removal from lab, office referral, and further consequences per the MCS Code of Conduct.

\*Please note that the severity of the offense will determine the severity of the consequence. Generally, safety violations in the lab are considered very serious.

\*\* Student may be removed from the lab to complete work within the classroom if student is reprimanded multiple times within one class period within the lab.

# Course Syllabus & Laboratory Safety Contract

## Course Syllabus

By signing below, you are stating that you have read and understand all the information and expectations stated in the course syllabus and will adhere to these rules and policies.

Student Name (PRINTED): \_\_\_\_\_ Block: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Name (PRINTED): \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Lab Safety Policies

By signing below, you are stating that you have read and understand all the information and expectations stated in the lab safety rules and will adhere to these rules and policies.

Student Name (PRINTED): \_\_\_\_\_ Block: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Name (PRINTED): \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*This must be returned to Ms. Allen in order for lab participation to occur.\*\***