**Magic of Electrons**

Syllabus

| Discovery Middle School | Teacher: | Sarah Prevallet |
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| 1304 Hughes Road | Email: | sbprevallet@madisoncity.k12.al.us |
| Madison, AL 35758 | Class Webpage: | wwww.madisoncity.k12.al.us/Page/6515 |
|  | Phone Number: | 256-837-3735 ext. 82116 |

| **Course Description:** | *In this class, students examine the behavior and parts of atoms as well as the impact of electricity on the world around them. They learn skills in basic circuitry design and use what they know how to propose authentic designs.* |
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| **Course Objectives:** | At the conclusion of this class, students will be able to confidently design simple circuits to address authentic challenges. |
| **Classroom Expectations:** | Classroom Rules and Procedures:  1. Have a positive attitude.  2. Be responsible.  3. Be respectful to others and their opinions. |
| **Textbook:** | Schoology Class Page |
| **Grading:** | Test grades will account for 60% of the 9-weeks grade, with the remaining 40% being determined by quiz/daily grades. The grading scale is as follows: A (90-100), B (80-89), C (70-79), D (65-69), and F (below 65). Grades will be a reflection of mastery of the standards. Make sure all absences are excused as work can be made up and graded for excused absences only. |
| **Make-up Work:** | Under normal circumstances, it is expected that students will submit previously assigned work upon return to school after an excused absence. All work missed on the day(s) of excused absences must be made up within a timeframe determined by the teacher. **It is the responsibility of the student to ensure he or she makes up work following excused absences. Students will not receive credit for and will not be allowed to make up any assignments, tests, work, activities, etc., missed during unexcused absences.** (DMS 2022-2023 Student Handbook) |
| **Late Work:** | For work turned in late, the following policy will apply:  • The assignment will drop one LETTER grade for each school day that passes. For example, if an assignment is turned in one school day late, the highest a student can receive is 89%; two days late, 79%, etc.  1 day late = maximum credit 89%  2 days late = maximum credit 79%  3 days late = maximum credit 69%  4 days late = maximum credit 59%  5-10 days late = maximum credit 50%  • Half credit is always better than no credit! Until work has been made up, “Missing” (which counts as a zero) will be put in the grade book. This will be updated once work is completed and turned in. |
| **Accommodations:** | Requests for accommodations for this course or any school event are welcomed from students and parents. |
| **Technology** | Concerning laptop utilization:  1. Student laptops should not be hard-wired to the network or have print capabilities.  2. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers.  3. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops.  4. Laptops will be used at the individual discretion of the teacher and should be brought to school daily. |
| **Materials and Supplies:** | * *School issued chromebook* * *Composition Notebook* * *Pencil* |

| **9 Week Plan *\*Subject to Change*** | |
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| **Week** | **Unit** |
| **1** | Project One: Electromagnetic Motor |
| **2** | Project One: Electromagnetic Motor |
| **3** | Project One: Electromagnetic Motor |
| **4** | Project Two: LED Card |
| **5** | Project Two: LED Card |
| **6** | Project Two: LED Card |
| **7** | Project Three: Logic Gate Challenges |
| **8** | Project Three: Logic Gate Challenges |
| **9** | Project Three: Logic Gate Challenges |