



**Hull High School
Applied Physics Syllabus
2023-2024**



Class Information:

Mr. Keith McKay

Room C119

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Email: kmckay@hullpublicschools.us (for students)

Dear Students, Parents, and Guardians,

My name is Mr. McKay, and I will be your Applied Physics teacher for the 2023-2024 school year. This will be my 6th year teaching science at Hull High School; I previously worked as a chemist for over 10 years, but in 2017 I decided to leave the commercial science industry to become a teacher. You will find that I am passionate and enthusiastic about all fields of science, and my goal is to inspire others to become interested in science as well!

Sincerely,

Mr. McKay

CLASS OVERVIEW:

This class will introduce students to the engineering design process and explore topics such as motion and forces, energy transfer, simple machines, pressure, materials, and structures. Students will work independently and collaboratively using the engineering design process to create prototypes and models, test potential solutions, and evaluate their results.

CLASS MATERIALS:

Chromebook/Binder

Students will use their Chromebook/Google Classroom and various apps to organize class materials and to complete assignments. A binder will be provided for students to organize paper materials and assignments (this binder will stay in the classroom most of the time but may be removed with permission).

Calculator

Scientific calculators will be available in the classroom for students if needed, and students may use the Desmos calculator on their Chromebooks. Cell phone calculators will not be permitted to be used in class at any time.

GENERAL RULES AND EXPECTATIONS:

As part of the Hull High School Academic Expectations, students will be competent problem solvers, effective writers and readers, and capable users of technology. Students are expected to attend class daily, be on time for class, and arrive prepared to learn. It is also expected that students will respect themselves and each other, take pride in their work, and always put forth their best effort. Cell phones are not allowed in class unless permitted by the teacher during special circumstances. Food is also not allowed in class unless permitted by the teacher during special circumstances. Drinks are allowed if they are stored in a suitable container, but they are not allowed in the lab bench areas. Students in this class are required to come to class with all necessary materials including a charged Chromebook and a pencil. Plagiarism of any form will not be tolerated.

LATE WORK/ABSENCES:

Late work may be accepted until the end of each quarter. If you are absent, you are still expected to complete any work that you have missed! It is your responsibility to work with a teacher to complete any missed work.

GRADING POLICY:

Assignments

Grades will be calculated using a point-based system. In a point-based system, each assignment is given a point value. For example, a standard classwork assignment will be worth 10 points while an engineering challenge or quiz may be worth 30 points. Your quarterly grade will be determined by points earned divided by total points multiplied by 100. Grades will be updated periodically on Aspen, and I will use the following special codes: **A** (absent, counts as zero but can be made up), **M** (missing assignment, counts as a zero), **R** (received but not graded), or **E** (excused). Acts of plagiarism will result in zeros for grades that cannot be made up and possible administrative action.

Participation

Each day, students may be given a warm-up question at the beginning of class and an exit ticket at the end of class. Students are expected to participate during all lessons and all activities, and a participation grade of 0-10 points will be given weekly.

Final Exam

A final exam or project will be assigned at the end of the school year and will account for 10% of a student's overall grade for the academic year.