

MEHS Physics A- Syllabus

Trimester 2 - 23/24

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Course Description: Physics A follows after physical science and focuses on building the math foundation behind the ideas. Physics A covers the following topics: Units, Unit Conversion, Error, Vectors, Newton's laws of Motion, Motion in 1D and 2D, Graphing motion, Motion with and without Constant Acceleration, Projectile Motion, Static and Dynamic forces in 1D and 2D, the Gravitational Force, the Electric force, the Buoyant Force, Hooke's Law, Centripetal motion, Kepler's Laws, and Simple Harmonic Motion.

Prerequisites: Physical Science A&B and Algebra 2 A&B

Grading: The standard A, B, C, NC grading scale.

- **50% - Tests and Quizzes**

- Chapter Tests about every two weeks.
- One or two quizzes per week
- Open notes.
- Students may
 - Option 1: 1 retake for full credit.
 - Option 2: corrections for ½ points back.
- Test Review one day before the test.

- **35% - Labs and Projects**

- Labs every other week.
- Labs require a full lab write up.
- With teacher approval, labs may be corrected up to 100%

- **15% - Work Ethic and Participation**

- Daily Homework.
- Participation: Solve 5 warm up questions per trimester on the board.
- Notes Checks after tests.
- Late assignments earn 80% credit up until the Chapter test.

SHOW ALL WORK!

Solutions without work will result in a zero.

Late Work: *Students are responsible for completing and submitting all class assignments by the due date. Check Google Classroom for due dates.*

Sports/school activity travel: It is up to students to check Google Classroom for work and to complete the assignments to keep up with class. Students will be allowed to turn in late assignments the day after they return from school sports/school activity travel.

Excused Absences: Check Google Classroom and stay caught up. The student handbook says students will receive one class day for each day of absence to get caught up, not to exceed 10 class days.

Unexcused Absences: Check Google Classroom and try to stay caught up. Students will be allowed to turn in assignments the day they return to class unless otherwise arranged with the principal.