



Regular Physics Fall 2016 – Spring 2017 Course Syllabus

Course Information: Physics is a course dealing with a broad range of topics including mechanics, heat, sound, light, electricity, and magnetism. Emphasis will be placed on hands-on projects simulating the concepts being taught. A large portion of the course will consist of laboratory and demonstrations.

Instructor Information:

Constance June – ConstanceJune@misdmail.org

Christopher Stroud – ChristopherStroud@misdmail.org

Matt Walker – MattWalker@misdmail.org

Phone: 682-314-0100

Tutoring Times: Varies by teacher as posted outside the classroom. Students are free to attend any tutoring session.

Textbook: *Texas Physics* by Serway and Faughn

Online access through *Holt McDougal Online* at <http://my.hrw.com/index.jsp>

Generic log-in information:

Username: *tphysics7*

Password: *tigers*

Required Materials:

- Stylus for iPad*
- Composition notebook
- 3-ring binder, folder, etc.
- Notebook paper
- No. 2 pencils
**recommended*
- Eraser
- Blue or black pens
- Red pen
- Highlighters
- **Calculator*** (scientific)

Course Schedule:

First Grading Period

- Safety and Introduction to Physics
- Linear Motion
- Projectile Motion

Second Grading Period

- Projectile motion (continued)
- Newton's laws
- Momentum
- Energy

Third Grading Period

- Circular motion
- Universal gravity
- Satellite motion, relativity
- Review and Semester 1 Exam

Fourth Grading Period

- Heat, specific heat, heat transfer, temp.
- Change of phase, Thermodynamics
- Vibrations and waves, sound

Fifth Grading Period

- Light, color, reflection/refraction
- Lenses, diffraction and interference
- Electric fields and potential
- Current and circuits

Sixth Grading Period

- Hawaiian Falls field trip
- Quantum mechanics
- Radioactivity, fission and fusion
- Review and Final exam

(Projects/Field Trips will be scheduled/posted upon administrative approval)

Grades: Grades are determined by 20% daily assignments, homework, and quizzes; 30% labs; and 50% tests. The mid-term and final exams are 20% of the semester average.

iPads: Students are expected to bring their iPads to each class, charged and with necessary access for online usage. iPads are to be used as designated by the teacher. Gaming and other off-task activities will be handled at teacher discretion.

Lab Safety: All students must pass a Safety Quiz and return a signed Safety Contract to participate in laboratory activities. Any unsafe activity or behavior during a lab will result in removal from the lab and possible disciplinary action. Safety during labs is extremely important. Students must listen and adhere to all instructions given by the teacher as well as all guidelines presented on the Safety Contract.

Work Habits: All writing must be legible and in blue/black ink or pencil **only**. All papers should contain a heading in the upper right corner with name, class period, and date. Papers without a name will receive a grade of zero, if not claimed within the next class period. Any assignment not designated as partner work may not be identical to any other person or book. Copied work will not receive credit. Students are responsible for reading the corresponding chapters for each unit and studying notes to be prepared for pop quizzes.

Class Participation: Students are expected to actively participate during class each day, including but not limited to speaking in front of the class, class simulations (acting), working problems individually or in group setting.

Attendance/Tardies: Students are expected to arrive on time to class each day to be successful. The attendance and tardy policy stated in the Student Handbook will be followed. If a student must miss class, the *student is responsible for picking up the makeup work* the following class period and it must be completed and returned within the same number of days the student missed, according to the handbook. If the student missed a test, it must be made up within a period of one week from the test date. Missing the class period before a test does not excuse a student from taking the test on the scheduled date.

Missed Assignments: It is the student's responsibility to ask their teacher for any missed assignments or projects. Students should check Skyward bi-weekly to ensure no missing grades or errors. All grades must be made-up within the assigned grading period.

Late Work: Late work will be accepted as dictated by district policy.

Test Retakes: Retakes for a maximum of 80% will be available for any student earning below 80% on the original test. There will be a minimum of two dates to choose from per test for retakes. Students will only be allotted *one opportunity* to retake the test and should plan accordingly. Each retake opportunity will be held before or after school at a specified time and location. *Example: If a student earns a 70 on the original test and makes an 85 on the retest, they will receive an 80 for the test grade. If a student earns a 40 on the original test and makes a 75 on the retest, they will receive a 75 for the test grade.*

Academic Dishonesty: Academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form at Mansfield High School. All students involved in academic dishonesty will be disciplined in accordance with the Student Handbook.

Support Services: The library is a great source for student research. Books, journals, audio, video, and internet access is available to assist students when researching science topics. In addition, pathfinders are available for various topics to allow students access to relevant websites.



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Please review the syllabus with your parent or guardian. Sign and return this form to your teacher as soon as possible to earn a daily grade of 100%. *Note: Students who fail to return this form will not only earn a zero for the daily grade, but will be precluded from the opportunity to retake any tests.*

I have read and understand the course syllabus listing the requirements for the successful completion of Physics.

Student Signature

Parent or Guardian Signature

Printed student name

Printed parent/guardian name

Date

Parent/Guardian email address