

Course Information Sheet

Course Title: AP Physics 1

Course Materials:

Textbook: Physics 7th Edition (AP Edition), Giancoli ISBN 978-0-13-344768-2

Calculator: Ti-84 graphing calculator, or better is preferred.

Laptop: A school-wide policy requires you to bring your laptop to class every day. You will need it to attend class. You also need to have the latest version LoggerPro functioning on your laptop. You will use LoggerPro to record and analyze data. A flash drive (at least 1GB) is also recommended for saving and transferring data.

Course Objectives:

- **Course Description:** This course meeting the requirements of the College Board for AP Physics 1 and is recommended for seniors who have taken or are concurrently taking Calculus. The course covers the topics from the first semester of a non-major college Physics course, including forces, Newton's Laws, 1D and 2D motion, rotational motion, and mechanical energy. Topics are presented and reinforced with an open inquiry lab experience. All students take the AP Physics 1 Exam in May followed by a summative project.
- **Course Curriculum:** This is a projected course syllabus.
The timing may vary slightly. You will be tested on the material covered in class and lab, in the textbook, in any handouts, and online assignments that have been covered prior to the exam.

Sem 1 projected topics

Ch 1 – Introduction
Ch 2 – Motion in one dimension
Ch 3 – Motion in two dimensions
Ch 4 – Motion and force: Dynamics
Ch 5 – Circular motion; Gravitation field
Ch 6 – Work and energy
charge
Ch 7 – Momentum

Sem 2 projected topics

Ch 8 – Rotational motion

Ch 11 – Vibrations and waves
Ch 12 – Sound
Ch 16 – Electric charge and electric

Ch 17 – Electric potential and electric

Ch 22 – Electromagnetic waves
Ch 23 – Light: Geometric optics
Ch 24 – The wave nature of light

Online Practice

Most of this course will be taught synchronously, that is, by logging in to Zoom Meeting, learning new material through lecture, videos, discussions, or demonstration, and completing group or individual activities during class. Occasionally, students may be asked to simply check in via Zoom and complete a posted worksheet or assignment on their own.

Students will be required to use the Schoology site to help navigate this course. Homework, assignments, PowerPoints, video clips, and any relevant classwork will be posted on Schoology. Students and parents will be able to access this 24/7. If you have any questions about a class you missed, check the calendar on Schoology to find a summary of that day's work. Any missed worksheets or lab experiments are also on Schoology.

Grading

The final grade will be determined by the following weighing:

- 30% Tests (Quizzes and Tests)
- 50% Labs Lab Notebooks and Activities
- 20% Homework and Classwork

Assessment Policies

Assessment, in the form of quizzes and tests account for 30% of a student's grade in AP Physics 1. Assessments that are missed must be made up as soon as is possible. Office hours or individual appointments will be used for this purpose, so that makeup exams can be proctored to some extent.

Missing Coursework Policy

- An assignment will be considered late when it is turned in AFTER the assigned date and time of that assignment on Schoology. Schoology will automatically mark these assignments late.
- If you are absent from class or not able to be present for a zoom session on the day work is assigned it is your responsibility to get the worksheets or assignments, you missed and complete them. The work and worksheets will be posted on Schoology. Consult the calendar for a run-down of the day's events.
- If you are absent on a due date, the assignment will be considered for full credit if it is turned in within the week you return to class.
- Most late work is accepted, with a maximum of 70% of the original point value, if it is turned in before the same corrected assignment has been passed back. Late work (not caused by an absence) will be accepted within a week but will not receive full credit unless a counselor contacts me with an extenuating circumstance (for example, if a student has suffered a concussion or prolonged illness).
- Assignments more than 1 week late will be entered as a zero.
- Note that if a student is missing two or more assignments, counselors and parents will automatically be contacted in order to touch base and ensure that student gets the support they need to catch up.

Academic Support

If students are struggling with the concepts or the material in this course, there are several forms of support readily available. One-on-one peer tutoring for honors chemistry will be available through appointments on PeerKconnect during designated hours. Check the [Academic Support page on Schoology](#) for instructions. Contact Ms. Woodworth for more information, swoodworth@bishopdowd.org. Students can arrange these appointments directly with the

student tutor. In peer tutoring, students can work on their homework or any of the physics concepts with an individual who completed AP Physics 1 last year. These sessions can be extremely beneficial and can be used as needed. If a student is struggling with this course and gets behind, do not be reluctant to reach out. Click [here](#) to find out more about the range of Academic Support services at O'Dowd. Please don't hesitate to reach out to us! We're here to help.

One of the primary ways to get support during this course will be to log in to zoom during the assigned **office hours** on Wednesdays from 9:00-10:30 am. Students may also arrange an individual meeting with a teacher by appointment, subject to their availability. I encourage students not to hesitate to reach out by email regarding any issues they are having with course content or expectations. Communication is the key to getting the help that is needed.

Academic Honesty

All students are bound to the Academic Code of Conduct and the O'Dowd Academic Honor Pledge found in the Student-Family Handbook. Bishop O'Dowd High School affirms academic excellence and integrity as essential elements of a Catholic, college preparatory education. Our Academic Integrity Code holds each of us to high educational and behavior standards; emphasizes the importance of personal responsibility, honor and accountability; and asks students to model academic integrity for peers in a Catholic educational environment, an environment that encourages wholeness and right relationship. Electronic devices (such as laptops and cell phones) and technological tools such as the internet provide unparalleled resources for learning as well as opportunity to compromise academic integrity. Bishop O'Dowd High School expects students to use electronic devices productively and honestly.

All O'Dowd students will uphold the honor code by adhering to the charism (core values) of the school and supporting its mission to guide their educational experiences.

O'Dowd Academic Honor Pledge

I pledge to demonstrate the core values of Bishop O'Dowd High School by upholding the standards of honesty and integrity, excellence in my academic work, and respect for myself and others in my educational experiences, including supporting O'Dowd's mission. Specifically,

- *I pledge the work in all my courses will be my own.*
- *I pledge to protect the integrity of my work by not allowing others to copy or present my work as their work.*
- *I pledge to avoid any act of plagiarism.*
- *I pledge to cite and reference any work obtained from material or digital resources.*
- *I pledge honesty and integrity and will not lie, cheat or steal to gain academic advantage.*
- *I pledge to follow all testing rules laid out by my teacher.*
- *I pledge to oppose every instance of academic dishonesty.*

I understand that any act of academic dishonesty is a direct violation of this Academic Code of Conduct and will have consequences, up to and including expulsion from the school, as outlined in the Bishop O'Dowd High School Student and Family Handbook.

Violations of the standards of honesty and integrity are defined as follows:

- Copying another person's work or providing the opportunity for others to copy your work, including homework;
- Turning in work that you didn't complete (that someone else completed for you)
- Receiving or providing information during a test or quiz, including posting or accessing such information digitally;
- Receiving or providing information on tests or quizzes given during an earlier period, including posting or accessing such information digitally;
- Using unauthorized material on tests or quizzes;
- Violating testing rules as outlined by the teacher;
- Intentionally using or disabling any electronic or digital device to obtain or provide unauthorized course material;
- Using ideas or written materials from other sources, including the internet, without acknowledging the source in assignments.

This list is not meant to be all-inclusive; other actions not specifically delineated may also be considered to be a violation of the academic code of conduct. For more details, please refer to the [Student-Family Handbook](#).

Ben Hammond



Print Name of Student

Signature of Student

Date 8/16/20

Attendance Protocols

Attendance will be taken each day in class – this is mandatory. For AP Physics 1, attendance will be conducted during the initial portion of the zoom meeting of each day. Students will need to have their cameras on and use their first and last names when signing in. Student Zoom/Google protocols will be in the ConnectED guide.

If a student has technology issues and cannot get their camera on, they must sign in with a verbal “here” in the meeting until they get their camera up. Students will also email their teacher and counselor, informing them of tech issues. When a student misses two or more successive classes, their counselor and parent will be informed via email.

Office Hours

As previously mentioned, office hours are from 9:00 to 10:30 most Wednesdays. You can find the zoom link for Office Hours in the CIS folder on Schoology.

I, Ben Hammond, have had time to read the course information sheet for Advanced Placement Physics 1 at Bishop O’Dowd High School for the 2020-2021 academic year. I understand the code of conduct outlined in the 2020-2021 Bishop O’Dowd handbook, and classroom polices. I understand what will be expected of me while in AP Physics and will do everything in my power to abide by these guidelines with the understanding that disciplinary actions and/or point reduction could result due to infractions of the aforementioned policies and guidelines.

Ben Hammond

Print Name of Student

Signature of Student 

Date 8/16/20

Print Name of Guardian Nicole Perfito

Signature of Parent or Guardian 

Date 8/16/20

Email nperfito@gmail.com