



## PHYSICS TECH COURSE SYLLABUS

### COURSE INFORMATION:

Course Title: Physics Tech

Prerequisites: Biology I and Physical Science

### INSTRUCTOR INFORMATION:

Barbara Waters, Ed.S.

Biology II and Physics Tech

Room: SUL 201, York Institute

School Phone: (931)879-8101

E-mail: bwaters@yaidragons.com

### TEXTBOOKS:

Glencoe Physical Science

These will be provided for you to use; take good care of them. You are responsible for any costs due to damages. Other reading materials and textbooks may be provided for you to use as needed. We will also be using an online component to this class. Chromebooks are provided for use in the classroom. Chromebooks are assigned to students. If you notice something wrong with your Chromebook, please let me know ASAP.

### REQUIRED MATERIALS:

Textbook	Binder	Eraser
Colored pencils	Pencils	Pens
Computer Access		

### COURSE DESCRIPTION:

Physics Tech is a laboratory science course that explores the relationship between matter and energy, as well as the principles of force, work, rate, resistance, and energy. Students will be required to study classwork as well as perform hands-on experiments and communicate results in the form of lab reports. It is the responsibility of the student to come to class each day understanding the previous day's material. An ongoing unstated assignment, therefore, is to learn the material as it is presented. Students should be willing to be committed and keep up with the work and studying it will take to make a good grade in this course. Students will participate in projects that will develop the following skills: writing, critical thinking, technology usage, research, time management, cooperation, and presentation skills.

**COURSE OUTLINE: (Subject to Change)**

<b><u>FIRST NINE WEEKS</u></b>	<b><u>SECOND NINE WEEKS</u></b>
<b><u>UNIT 1</u></b>	<b><u>UNIT 5</u></b>
THE NATURE OF SCIENCE	ENERGY
Test #1	Test #5
<b><u>UNIT 2</u></b>	<b><u>UNIT 6</u></b>
MATH AND MEASUREMENTS	WAVES
Test #2	Test #6
<b><u>UNIT 3</u></b>	<b><u>UNIT 7</u></b>
MOTION	ELECTRICITY AND MAGNETISM
Test #3	Test #7
<b><u>UNIT 4</u></b>	<b><u>UNIT 8</u></b>
FORCES AND NEWTON'S LAWS	MATTER AND ITS INTERACTIONS
Test #4	Test #8

**GRADING METHOD:**

- 40% Tests
- 25% Quizzes
- 25% Daily Work
- 10% Participation

**GRADE SCALE:**

There are many opportunities to gain points through daily assignments, major assessments, and meaningful extra credit activities each grading period. Letter grades are assigned accordingly with rounding of category percentages done by the high school grading system default setting.

Letter grades are assigned accordingly:

- 93-100%      A
- 85-92%        B
- 75-84%        C
- 70-74%        D
- <70%           F

**CLASSROOM EXPECTATIONS:**

You, the student, are accountable for meeting classroom behavioral expectations consistent with YAI policy and those specific to this course. You are accountable for self-awareness and self-management. The expected behaviors include but are not limited to those listed below. The items listed here capture most of the day-to-day things that foster success for all students. Keep them in mind as you are confronted with

day-to-day choices. Failure to follow these expectations may result in any of the following consequences: warning, afterschool detention, call to parents/guardian, administrative referral.

1. Horseplay of any kind in the classroom is always unacceptable. Depending on the nature of the behavior, any or all consequences may be applied.
2. Be in class, work ready to hand in and in your seat on time unless the Bellringer notation directs otherwise.
3. Have your materials with you everyday unless directed otherwise.
4. Show respect for yourself. Practice self-awareness and self-management.
5. Show respect for others. Practice self-awareness and self-management.
6. Make sure your clothing and behavioral choices are not a distraction to learning and instruction. And follow school dress code policies. Inappropriate attire will be met with a request to remedy.
7. Do not leave the classroom without permission. If an alarm sounds go to the designated place by way of the designated route as a group.
8. No usage of cell phone in the classroom. School cellphone policies apply.
9. No hats of any kind are to be worn in the classroom.

#### **ATTENDANCE PROCEDURES:**

Students should make every effort to attend class every day. Attendance is vitally important to the success of this course. Also, it is important to develop good attendance habits now, as they play a crucial role in success in secondary education and in the workplace. However, if you do miss a day, you must show your blue slip on the next day you return. Also note that 3 tardies to class equals one absence.

#### **LAB SAFETY:**

Laboratory safety rules and procedures will be reviewed prior to any laboratory work. You will be required to follow all safety policies at all times!

#### **ACADEMIC DISHONESTY:**

Cheating, attempts to cheat, helping someone cheat, and plagiarism will be rewarded with a grade of 0% and possibly a call to parent/guardian depending on the type of assessment. See the student handbook for more information on Academic Dishonesty.

#### **LATE WORK:**

Assigned work must be turned in on time. Work will be picked up shortly after the bell. Any work submitted after that time will be marked LATE and receive half credit up to 2 days late. Anything turned in after 2 days late will receive a grade of 0%.

“Get it done, get it in on time!”

**MAKE-UP WORK:**

All work missed because of an excused absence must be made up, whether the absence resulted because of school activities, a prearranged excuse, or illness. It is up to you to get assignments that you missed and make up work. You have one week to make up work on get it turned in on time. TESTS, QUIZZES, LAB REPORTS, AND ESSAYS NOT MADE UP AND TURNED IN WITHIN THE ONE WEEK PERIOD WILL RECEIVE A GRADE OF 0%!!!

**RETAKE:**

There are no retakes in this class, so study and get it right the first time!

**ACCOMODATION OPTIONS:**

All IEP's, 504's, ILP's will be followed per state guidelines. Students with issues that are not easily apparent should meet with the teacher at first available opportunity to determine options.

**"Stay positive and happy. Work hard and don't give up hope. Be open to criticism and keep learning. Surround yourself with happy, warm and genuine people."  
-Tena Desae**

**"You is kind. You is smart. You is important."  
— Kathryn Stockett, The Help**

**\*note\***

*Due to the nature of this course, the above information, guidelines and procedures outlined in the syllabus are subject to change.*