

Physical Science Course Syllabus

York Institute

Coach Bowden – Room SUL 225

School Moto-TO PREPARE AND EXCEL

Course Description: Physical Science is a laboratory science course that explores the relationship between matter and energy. An introduction to the physical area of general science dealing with matter and energy; prepares students for an in-depth study of chemistry and physics. 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.

Course Outline: The following topics will be covered in this class—

- Matter and Its Interactions
 - Structure and properties of matter
 - Chemical reactions
 - Nuclear process
- Motion and Stability: Forces and Interactions
 - Forces and motion
 - Types of interactions
 - Stability and instability in physical systems
- Energy
 - Definitions of energy
 - Conservation of energy and energy transfer
 - Relationship between energy and forces
 - Energy in chemical processes and everyday life
- Waves and Their Applications in Technologies for Information Transfer
 - Wave properties
 - Electromagnetic radiation

Contact Information: Call 879-8101 and leave a message. I will get back to you ASAP. You can also email me at anytime: abowden@yaidragons.com

Grading Procedures:

40% Tests

25% Classwork

15% Labs/Projects
15% Quizzes
5% Class Participation

- **Classwork:** (25%) Classwork is work that we do in class and turn in, usually the same day. Students should be sure they are turning work in when it is due.
- **Labs/Projects:** (15%) will include formal and informal lab reports as well as student notebooks. Formal and informal lab reports will be prepared at the conclusion of most lab experiences. You will be assigned to a lab group. Cooperation and participation are critical to a lab group's success. Each member of the group will turn in his/her own work. Your answers to lab questions should **NEVER** duplicate those of other group members (use your own words). Remember that you alone are ultimately responsible for your grade in lab. Safety procedures will be strictly enforced. Some of the equipment we will be using is quite valuable and must be treated accordingly. Irresponsible behavior will result in a zero on lab.
- **Tests** (40%) will include scheduled content exams and quizzes. You will be given at least three days notice for these regular exams.
- **Quizzes** (15%) I also reserve the right to administer a pop quiz at any time to determine the current mastery level of the class.

Alvin C. York Institute Grading Scale:

A = 100-93 B= 92-85 C= 84-75 D= 74-70 F= Below 70

Class Materials: 3 ring binder with pockets
Loose leaf paper
Calculator (some are available in classroom)
Pencil
Highlighter
Colored pens (red & blue – optional, but helpful)

You **MUST** bring your notebook to class each day. Your notebook should have pockets to hold handouts, your syllabus and old papers. This notebook must be dedicated solely to this class. I will show you how to set up your notebook and what I want in it. You cannot pass this class w/o doing your notebook and keeping it up to date.

Assignment Policy and Procedures: All assignments are to be turned in during the first five minutes of class, unless you are tardy. All assignments should be in pencil if possible. Illegible assignments may not be graded. I will not accept messy work. All assignments will need to be identified by your name (first and last), date, and assignment name.

Late Work Policy: Students are expected to turn in their work on time. Late work will be deducted 30% of the maximum value and then graded. Late work will

include all assignments/labs that are not turned in by the end of the day that it is due.

Make-up Work Policy:

If you know you are going to be gone you will need to get your work **before** your absence. This includes school events. If you know you have a deadline for an assignment the day you will be gone for a school activity, the assignment is still due that day. For absences in which you did not expect to be gone, you will need to request all make up work on the day you return. Work due to excused absences must be made up within 3 days. Missed labs or tests will require you to come in after/before school or at lunch. You have one week to make up tests or labs. Tests/Labs not made up within one week will marked as a zero (0). You are responsible for turning your work in on time.

Academic Dishonesty Policy: Students are expected to do their own work. Students who cheat on any work in class will be referred to the office, given a zero on the assignment and parents will be notified. When turning in labs, students can work together to perform the experiment and collect data in class, but are expected to put the entire laboratory report in their own words.

Student Expectations: Students are expected to be on time to class every day. Students are expected to bring all required materials to class each day. Students will treat each other and me with respect at all times.

Tutoring: . Please make arrangements in advance. It is recommended that if a student has missing assignments or a grade lower than a 75% they attend tutoring.

Technology:

Technology is used extensively throughout this course, and students are required to participate in online discussions and access material online, as well as complete and submit assignments online. This will be done mostly through their Google Classroom accounts (account information will be provided).

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# Class Rules

## Rules

1. Be on time – if you are not in class when the bell rings you will be marked TARDY. {3rd TARDIES = 1 ABSENCE} If you are tardy to 1<sup>st</sup> block, you MUST go to the office and get a tardy slip.
2. Be prepared – bring your notebooks, books and something to write with everyday.

3. Be courteous – treat others as you would like to be treated.
4. Stay focused and engaged, do not distract others. Disruptions will not be tolerated.
5. Follow ALL rules in Student Handbook.

### **Technology Policies**

-No cell phones in classroom. There will be no time when you will need your cell phone in this class. Do not have it out, or your cell phone will be taken (pursuant to school policy).



-Earbuds and headphones will NOT be worn in this classroom. This distracts from the learning environment.

### **Consequences**

1. Warning (reflects also on your class participation grade)
2. Cellphones will be confiscated. School Policy: 1<sup>st</sup> time = 24 hours, 2<sup>nd</sup> time = 1 week.
3. Disruptions will result in removal from class, detained after class, and/or after school detention
4. Office referral and/or parent contact

## Return to Coach Bowden

I \_\_\_\_\_ have read this syllabus carefully and understand what is expected of me by Coach Bowden. It is my intention to do my best to follow these rules and policies in order that Coach Bowdens class may run efficiently and learning may occur.

**X** \_\_\_\_\_

I, \_\_\_\_\_ the parent/guardian of the above student, have read and understand the policies of this syllabus and will do my part in aiding Coach Bowden in the education of my child.

**X** \_\_\_\_\_

Parent/Guardian E-mail: \_\_\_\_\_

Parent/Guardian Phone: \_\_\_\_\_

Special Comments or Concerns (anything your student might not want to discuss with me in person or anything that may help me understand your child better):