



**Physebra 2021-2022**  
**Course Syllabus & Expectations**

**Facilitator Information:**

**Mr. Dave Sampson**

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**Mrs. Martha FitzPartrick**

Email: [mfitzpartrick@innovationtech.us](mailto:mfitzpartrick@innovationtech.us)

**General Information:**

Welcome to Physebra! Our class is scheduled to meet from **11:45pm to 2:15pm** on **B Days**. This course covers both Algebra 2 and Physics. At the end of the year students will be required to take both the Algebra 2 and Physics Regents exams. We'll cover many topics, including (but not limited to):

- Rational Exponents
- Expressions
- Polynomials
- Solving Equations and Inequalities
- Interpret functions
- Statistics
- Newtonian Motion
- Forces and Vectors
- Gravity
- Electromagnetism
- Energy and Thermodynamics

**Please - share your ideas!** Students are encouraged to contribute ideas for problems and projects! We are currently building a mini golf course and exploring Newton's Laws of Motion and Trigonometry. Being passionate and interested in your area of study is a key factor in engagement and academic success!

**Expectations for all students:**

1. **Adhere to all health and safety guidelines, as outlined through the [OCM BOCES Reopening Plan](#).**
2. Come to class on time and prepared with all needed materials
3. Treat everyone and everything with respect and dignity, including yourself
4. Participate in all classroom activities and assignments
5. Respect and self-enforcement of established classroom norms
6. Refrain from all distractions that take away from learning. These include, but are not limited to in-class phone use.
7. Follow our school's technology policy

**Attendance** is critically important in learning. Project-Based and Problem-Based Learning requires engagement, plenty of hands-on work, and collaboration as a class and in smaller

groups. Not being present in class not only impacts your learning but the learning of your peers. Of course, there are always exceptions; things can take us away from the classroom! I encourage you to take ownership of your learning and let your facilitator/team members know when you will not be in class as soon as possible when those moments arise. **A reminder that you are still accountable for the work missed in class while you are away.** If you have questions, address them early!

### **Course Materials:**

Our class will be run mainly online through Echo. Therefore, please make sure your technology is working properly before you come to class each day. Additionally, please have the following with you each day:

- Computer & Charger
- Pens/pencils and paper/notebook
- Materials required for specific projects
- A way to organize handouts and notes (Google Drive folder/binder/other)

***\*Please remember: it is very important that we do NOT share materials during class. You are expected to bring your supplies each day in your backpack.\****

### **Grading Policy:**

Knowledge and Thinking	The ability to reason, problem-solve, develop sound arguments or decisions, and create new ideas by using appropriate sources and applying the knowledge and skills of a discipline.	35%
Written Communication	The ability to effectively communicate knowledge and thinking through writing by organizing and structuring ideas and using discipline appropriate language and conventions.	20%
Oral Communication	The ability to communicate knowledge and thinking through effective oral presentations.	15%
Agency	The ability to develop and reflect on growth mindset as well as demonstrate ownership over one's learning.	15%
Collaboration	The ability to be a productive member of diverse teams through strong interpersonal communication, a commitment to shared success, leadership, and initiative.	15%

**Agreement/Parental Contact Information**

I agree to the above and have shared this document with my parent/guardian.

**Student Signature:** \_\_\_\_\_

I have discussed the contents of this letter and syllabus with my child.

**Parent/Guardian Signature(s) :** \_\_\_\_\_

**Parent/Guardian Contact Preference (email/phone/in-person):**

Please send the above information in an email to [mfitzpartrick@innovationtech.us](mailto:mfitzpartrick@innovationtech.us) and [dsampson@innovationtech.us](mailto:dsampson@innovationtech.us) along with any additional relevant information by Friday October 29th.

**Date:** \_\_\_\_\_

**Additional Comments or Question for Parents/Students:**