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| **PHYSICS HEADSTART** | **Mr. Scott Lawson**  **Email:** [**slawson@sd45.bc.ca**](mailto:slawson@sd45.bc.ca)  **Website: www.mrlawsonscience.weebly.com/** |
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**What will we be learning?**

Physics Headstart covers material completed in Science 10, Math 10, Physics 11 and Part of Physics 12.   This course is designed to build a strong foundation for those entering Physics 11, Physics 12, AP Physics 1 or IB Physics 11 as well as introduce new and more challenging topics such as Kinematics and Vector Analysis. This is a challenging but rewarding course for students who are interested in an enrichment opportunity.

***Course Organization:***

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| **UNIT** | **TOPIC** |
| **1** | Foundational Math Skills |
| **2** | Science 10 Physics Review |
| **3** | 1D Kinematics |
| **4** | Vectors |

**What are the Expectations?**

You are expected to take an ***active* role** in this class. This means thinking, asking questions, contributing to class discussions, making connections, planning for improvement, and taking ownership over your own learning. You are also expected to collaborate with your peers in order to help everyone achieve their learning goals. This will come in the form of peer feedback and group discussions.

**Each student is expected to**:

1) Come to class, on time, every time, prepared to work.

2) Act safely and maturely in class

3) Respect the rights of other students to obtain an education, and the rights of the teacher to do their job

With the help of Mr. Lawson and your peers, you will develop the ability to understand what you have already learned, determine what you have yet to learn, and decide how you can best improve on your achievement.

Throughout the course, you should always be able to answer the following questions:

1. **What am I learning?**
2. **How’s it going?**
3. **Where to next?**
4. **Why does it matter?**

You should be prepared to do homework every day to keep up with labs, assignments and readings. Daily review of course material at home is essential for success. You need to bring all necessary classroom supplies and textbook to class every day. It may be helpful to get contact information of your colleagues in class to help with your learning and review.

*Contact Info of a Student in Class:*

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Phone*** | ***Email*** |
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***What materials are needed for each class?***

1. ***A computer or tablet, note this mandatory as paper copies of labs and worksheets will not be handed out this year, you will also be required to download and complete readings from my website to “pre-load” before class***
2. 3-ring binder – with dividers
3. 80-page notebook for ***quizzes*** note: this will be handed in with your quiz log at the end of each unit
4. Agenda book to record homework and due dates and exam dates
5. Pens (various colours), pencils, ruler, and a **calculator** (Physics is a MATH BASED COURSE)
6. Your creative and inquisitive mind

**Extra help?**

By appointment.

**Anything Else?**

Please do not hesitate to talk to me or email me ~ [slawson@sd45.bc.ca](mailto:slawson@sd45.bc.ca)