

Dear Future IB Physics SL Year 1 Student,

I am excited to begin our journey through the study of physics together. Physics is a fascinating and exciting subject, which explores many areas of every day (and not so everyday) life.

In physics, mathematics is the language used to make sense of ideas, make predictions, and test hypotheses. Therefore, it is important you refresh your memory with the math skills you have already learned.

I have attached a packet which I would like you to complete by the third day of school next September (9/10/20) (Packet can also be accessed through the link [here](#))

The purpose of this packet is to ensure that everyone has a chance to succeed next year. Physics is fascinating and fun, but the truth is that certain math skills are essential. If you are not comfortable with manipulating variables in equations, and with basic Trigonometry, you will have a much more difficult time next year, and you will very likely struggle to keep up.

So we have come up with a packet which covers all of the basic skills you need. This packet will be collected on the third day of class, Thursday, September 10th, and graded for completion. Then, during the first full week of classes, we will have an Equations Quiz containing questions of the types covered in this packet (tentatively September 15th). This quiz will count towards your 1st Quarter grade, and will also determine whether or not you will have to attend our mandatory Equations Extra Help Sessions.

Please print the document attached to this packet, and write your answers in pen or pencil, showing all intermediate steps, in the spaces provided. If you cannot print the packet, please email me and let me know so we can make arrangements.

If you need more instruction on how to carry out calculations of the type found in this packet, you can refer to the information on the websites linked below.

Good luck, and enjoy your summer. I look forward to meeting you in the fall to start our Physics Adventure!

Sincerely,

Mr. Reiter

Websites & Links - If you need help reviewing:

<http://faculty.chemeketa.edu/cwatkins/DRF110/usingFormulas.htm>

<https://www.khanacademy.org/math/algebra-basics>

<https://serc.carleton.edu/mathyouneed/equations/index.html>

<https://www.chem.tamu.edu/class/fyp/mathrev/mr-algeb.html>