

May 3, 2025

Dear grade 10 students and parents,

Welcome to our Inverted Classroom!!

The style of learning for this unit is going to seem a little backwards from what we are used to. Rather than spending most of the class in a formal "lesson" taking notes, we are going to create notes and look at powerpoint slides at home. That way, when we come to class, we can dedicate all of our time to labs & practice work and learning from the various demos that will be shown in class.

The class website for the Optics Unit is now divided into three sections. Each section is broken down by topics that correspond to the unit chart where we can find guiding questions and references to the text-book.

1. NOTES AND LESSONS contains a slide show and **accompanying summary note** that we can fill in as we watch it. It also has a link to a posted video, either something from another school or videos created by Sacred Heart students that explain exactly what our teachers want us to know.
2. LABS AND ACTIVITIES has **lab worksheets, instructions** and sometimes an instructional powerpoint show that we can watch as we work through tricky procedures in some labs. This section also has **evaluation sheets** if the lab is to be submitted for marks.
3. ADDITIONAL PRACTICE has extra practice sheets for skills such as ray diagrams or solving problems using Snell's Law, the Thin Lens Equation or the Magnification Equation. Some of these sheets will be provided in class, but others will be posted for practicing difficult skills!

All of the handouts in **bold** above are provided in class, but we can always find what we need here if we lose something or want to move on ahead.

Changing the learning around in this way means that we will have time to complete ALL parts of labs in class and *ask the teacher* or our peers for help with practice questions, guidance in the lab or just to clarify tricky concepts that we had difficulties with the night before. This will mean that we will need to dedicate 30-45 minutes a night to watch a brief video, read through the powerpoint slides and fill in the blanks on prepared note handouts. As always, our text-book can be used to supplement what we are studying or get a better sense of the "big picture".

Be sure to check the class **calendar** every night. The entry for the *following day* will tell you what you need to do *that night*. Eg. Tuesday night's learning can be found on Wednesday's calendar items. As always, if there is a snow day, be sure to check the website for SNOW DAY INSTRUCTIONS! If you should miss a regular class, you will be able to keep on top of the learning at home and you will just have to make good use of your time to get through both days worth of practice work, labs or activities!

If you have any questions, please do not hesitate to ask in class, come see me at lunch or 2:10 or send me an e-mail!

Sincerely,

Mr. Clark