

Notes and activities will be checked for completion &amp; corrections.

Topic	Objective	Approx. # classes	Notes	Activities <u>Not</u> including Labs or Formal Assessments	Mastery Check & # of attempts
1	<b>Production &amp; Properties of Light:</b> <i>Identify &amp; label the electromagnetic spectrum</i> <i>Explain how the light travels in both a wave and a straight line</i> <i>Describe &amp; explain various types of light emissions</i>	2			□□□□
2	<b>Reflection – Plane Mirrors:</b> <i>Understand and apply the laws of reflection</i> <i>Describe the characteristics and positions of images formed by plane mirrors using ray diagrams</i>	3			□□□□
3	<b>Reflection – Curved Mirrors:</b> <i>Describe &amp; predict characteristics of images formed by curved mirrors using ray diagrams &amp; algebraic equations</i>	4	**LAB**		□□□□
4	<b>Refraction:</b> <i>Identify factors that affect refraction as light passes from one medium to another</i> <i>Explain conditions required for partial and total internal reflection</i>	4	**min-LAB**		□□□□
5	<b>Lenses:</b> <i>Describe &amp; predict characteristics of images formed by lenses using diagrams and algebraic expressions</i>	4	**LAB**		□□□□

## OPTICS Unit Deadlines & Formal Assessments

All labs must be completed in class and are due at the end of the in-class work period(s).

LABS (completed in class only)	DATES
Curved Mirror Lab	Wednesday May 16 <sup>th</sup>
Refraction Mini-Lab	Thursday May 24 <sup>th</sup>
Converging Lens Lab	Wednesday May 30 <sup>th</sup>

**In order to write the unit test – ALL mastery checks must be complete OR have been attempted a minimum of 2 times.**

SUMMATIVE EVALUATION	DATE	Late Test Date
Unit Test	Friday June 1 <sup>st</sup>	TBA <u>Prior Approval Required</u>

**In order to be considered to write the test on the “late test date” an application must be completed, signed by a parent/guardian and submitted 3 days PRIOR to the test date.**

**A completed application does not guarantee acceptance to write at the later date.**

### Mastery Checks:

- Mastery Checks may be attempted more than once and are not considered complete until  $\geq 80\%$  is achieved.
- Must be written during class or after school during supervised extra help times.
- 3 attempts are permitted during class time. If more attempts are required they must be completed after school.
- Keep track of the number of attempts on the unit checklist
- Must be attempted as you progress through the topics – you **DO NOT** let them accumulate until the end of the unit. You may run out of time!