

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

| Topic | Objective(s)  | Approx. # Classes | Activities<br>Upload assessments to D2L<br>Check answers @ Loreescience.ca | Mastery Checks<br>Min 80%   |
|-------|---|-------------------|--|---|
| 1     | <b>Production &amp; Properties of Light:</b><br><i>Identify &amp; label the electromagnetic spectrum</i><br><i>Explain how the light travels in both a wave and a straight line</i><br><i>Describe &amp; explain various types of light emissions</i> | 3                 |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><b>Got It!</b> |
| 2     | <b>Reflection – Plane Mirrors:</b><br><i>Understand and apply the laws of reflection</i><br><i>Describe the characteristics and positions of images formed by plane mirrors using ray diagrams</i>  | 3                 | T1-2 Quiz  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><b>Got It!</b> |
| 3     | <b>Reflection – Curved Mirrors:</b><br><i>Describe &amp; predict characteristics of images formed by curved mirrors using ray diagrams &amp; algebraic equations</i>  | 5<br><b>Lab</b>   | Assignment   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><b>Got It!</b> |
| 4     | <b>Refraction:</b><br><i>Identify factors that affect refraction as light passes from one medium to another</i><br><i>Explain conditions required for partial and total internal reflection</i>   | 4<br><b>Lab</b>   | Assignment   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><b>Got It!</b> |
| 5     | <b>Lenses:</b><br><i>Describe &amp; predict characteristics of images formed by lenses using diagrams and algebraic expressions</i>   | 5<br><b>Lab</b>   | Assignment   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><b>Got It!</b> |

## Assessments

Most assessments will be completed in class and are due at the end of the in-class work period(s).

**In order to write the unit test – ALL mastery checks must be at  $\geq 80\%$   
OR have been attempted a minimum of 2 times.**

### Mastery Checks:

- Mastery Checks may be attempted more than once and are not considered complete until  $\geq 80\%$  is achieved
- Extra practice must be completed & shown to get another attempt
- Must be attempted as you progress through the topics –**DO**  
**NOT** let them accumulate until the end of the unit. You may run out of time!

#### Edsby Gradebook Symbols

- ✓ Not yet  $\geq 80\%$  but 2 attempts completed
- ! Overdue / Late
- ✗ Not Done
- ⓪ Incomplete (one attempt  $< 80\%$ )

Use these calendars to keep track of which topic(s) you practice each night & whether you

**Got It! (\*) or Not Yet! (?)**

# October 2022

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|-----------|----------|--------|----------|
| 16     | 17     | 18      | 19        | 20       | 21     | 22       |
| 23     | 24     | 25      | 26        | 27       | 28     | 29       |
| 30     | 31     |         |           |          |        |          |

| NOVEMBER 2022 |     |     |     |     |     |     |
|---------------|-----|-----|-----|-----|-----|-----|
| SUN           | MON | TUE | WED | THU | FRI | SAT |
| 30            | 31  | 1   | 2   | 3   | 4   | 5   |
| 6             | 7   | 8   | 9   | 10  | 11  | 12  |
| 13            | 14  | 15  | 16  | 17  | 18  | 19  |
| 20            | 21  | 22  | 23  | 24  | 25  | 26  |
| 27            | 28  | 29  | 30  | 1   | 2   | 3   |