<table>
<thead>
<tr>
<th>Grade Level:</th>
<th>10th - 12th</th>
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<tbody>
<tr>
<td>Subject:</td>
<td>Astronomy &amp; Space Science</td>
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### 1st Quarter
- **1.1.1** Birth & Death of Stars & our Sun
- **1.2.1** Galaxies and Deep Space
- **1.6.1** Nebula, Black Holes

### 2nd Quarter
- **1.1.1** Space Travel
- **1.6.1** Jovian Planets

### 3rd Quarter
- **1.1.1** Important Astronomers
- **1.6.1** Birth & Death of Stars & our Sun

### 4th Quarter
- **1.1.1** Early Astronomers
- **1.6.1** Earth-Moon System

### Essential Learning/Task Analysis

- **1.1.1** Apply the concepts of order and organization to a given system.
- **1.2.1** Develop scientific explanations based on knowledge, logic, and analysis.
- **1.2.2** Explain the differences among observations, hypotheses, and theories.
- **1.6.1** Use appropriate technology and mathematics to make investigations.
- **1.6.2** Formulate scientific explanations and models using logic and evidence.
- **1.6.3** Analyze alternative explanations and models.
- **1.6.4** Communicate and defend a scientific argument.
- **1.6.5** Use observations and data as evidence on which to base scientific explanations.
- **1.6.6** Develop models to explain concepts or systems.
- **1.6.7** Explain motion using Newton’s Laws of Motion.
- **1.6.8** Explain how energy advances science.

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