Science 9 – Space Exploration

Vocabulary

Introduction

|  |  |  |
| --- | --- | --- |
|  | Definition | Example |
| Observation |  |  |
| Inference |  |  |
| Scientific Law |  |  |
| Scientific Theory |  |  |
| Scientific Model |  |  |

1.1 – Ideas about Space

|  |  |  |
| --- | --- | --- |
|  | Definition  | Example  |
| Rotation |  |  |
| Revolution |  |  |
| Orbit |  |  |
| Season |  |  |
| Solstice |  |  |
| Equinox |  |  |
| Geocentric Model |  |  |
| Heliocentric Model |  |  |
| Ellipse  |  |  |

1.2 – Contributions of Technology

|  |  |  |
| --- | --- | --- |
|  | Definition | Example |
| Astrolabe |  |  |
| Quadrant |  |  |
| Cross-staff |  |  |
| Telescope |  |  |
| Astronomical unit |  |  |
| Light year |  |  |
| Galileo |  |  |

1.3 – The Universe

|  |  |  |
| --- | --- | --- |
|  | Definition | Example |
| Galaxy |  |  |
| Elliptical galaxy |  |  |
| Spiral galaxy |  |  |
| Irregular galaxy |  |  |
| Star  |  |  |
| Hertzsprung-Russel Diagram |  |  |
| Nebula |  |  |
| Life cycle of star |  |  |
| supernova |  |  |
| Giant star |  |  |
| White or black dwarf |  |  |
| Black hole |  |  |
| Constellation  |  |  |

1.4 – The Solar System

|  |  |  |
| --- | --- | --- |
|  | Definition  | Example  |
| Nebular hypothesis  |  |  |
| Evolution of solar system |  |  |
| Gravitational attraction |  |  |
| Planets in solar system |  |  |
| Terrestrial planets |  |  |
| Gaseous planets |  |  |
| Asteroids |  |  |
| Comets |  |  |
| Meteors |  |  |
| Meteorites |  |  |

1.5 – Determine Position and Motion

|  |  |  |
| --- | --- | --- |
|  | Definition | Example |
| Frames of reference |  |  |
| Latitude |  |  |
| Longitude |  |  |
| Altitude |  |  |
| Azimuth |  |  |
| Zenith |  |  |
| Coordinates  |  |  |

1.6 – Predictions

|  |  |  |
| --- | --- | --- |
| Solar eclipse |  |  |
| Lunar eclipse |  |  |