



Washington State Science Grade-level Expectations (GLE's) at LIGO Hanford Observatory for grades 6 - 10

Student experiences at LIGO may relate to the following GLE's

| <u>EALR</u> | <u>GLE</u> | <u>Component</u> |
|-------------|------------|-------------------------------|
| 1.1 | 1.1.2 | Motion of objects |
| | 1.1.3 | Properties of waves |
| 1.2 | 1.2.2 | Energy transfer |
| | 1.2.5 | Structure of solar system |
| 1.3 | 1.3.1 | Nature of force |
| | 1.3.7 | Formation of solar system |
| 2.1 | 2.1.1 | Generate questions |
| | 2.1.2 | Conducting investigations |
| | 2.1.3 | Explanation of investigations |
| | 2.1.4 | Analyzing models |
| 2.2 | 2.2.1 | Intellectual honesty |
| | 2.2.2 | Analyzing theories |
| | 2.2.3 | Analyzing results |
| | 2.2.4 | Evaluating investigations |
| 3.1 | 3.1.2 | Designing solutions |
| | 3.1.3 | Analyzing solutions |
| 3.2 | 3.2.2 | Science and technology |
| | 3.2.3 | Careers and occupations |