

**Science Blueprint  
Based upon the Alabama Course of Study Standards**

| Reporting Categories   | Possible Points |
|--|-----------------|
| <b>Grade 4</b>   |                 |
| <b>Energy</b><br><i>Standards: 1, 2, 3, 4, 5</i>   | 16–18           |
| <b>Waves and Their Applications in Technologies for Information Transfer</b><br><i>Standards: 6, 7, 8</i>    | 10–12           |
| <b>From Molecules to Organisms: Structures and Processes</b><br><i>Standards: 9, 10, 11</i>                  | 10–12           |
| <b>Earth’s Systems</b><br><i>Standards: 12, 13, 14, 15, 16, 17</i>   | 20–21           |
| <b>Total Science Points Possible for Grade 4</b>   | <b>60</b>       |
| <b>Grade 6</b>   |                 |
| <b>Earth's Place in the Universe</b><br><i>Standards: 1, 2, 3</i>  | 10–12           |
| <b>Earth’s Systems</b><br><i>Standards: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14</i>                             | 40–42           |
| <b>Earth and Human Activity</b><br><i>Standards: 15, 16</i>  | 7–9             |
| <b>Total Science Points Possible for Grade 6</b>   | <b>60</b>       |
| <b>Grade 8</b>   |                 |
| <b>Matter and Its Interactions</b><br><i>Standards: 1, 2, 3, 4, 5, 6, 7</i>                                  | 21–23           |
| <b>Motion and Stability: Forces and Interactions</b><br><i>Standards: 8, 9, 10, 11, 12</i>                   | 15–17           |
| <b>Energy</b><br><i>Standards: 13, 14, 15, 16</i>  | 12–14           |
| <b>Waves and Their Applications in Technologies for Information Transfer</b><br><i>Standards: 17, 18, 19</i> | 8–10            |
| <b>Total Science Points Possible for Grade 8</b>   | <b>60</b>       |

*\*NOTE: These ranges are based off the number of standards in each reporting category compared to the total number of standards in each grade.*

