

## Numbers and Distribution of Targets by Domain and Grade Span

<b>Table 1.2: Number and Distribution of Science Assessment Targets by Grade Span</b>				
<b>Science Domain</b>	<b>Statements of Enduring Knowledge (EK)</b>	<b>Elem K-4</b>	<b>Middle 5-8</b>	<b>High School 9-11</b>
<b>Life Science</b>	<b>LS 1</b> All living organisms have identifiable structures and characteristics that allow for survival (organisms, populations, and species).	<b>4</b>	<b>4</b>	<b>2</b>
	<b>LS 2</b> Matter cycles and energy flows through an ecosystem.	<b>2</b>	<b>3</b>	<b>3</b>
	<b>LS 3</b> Groups of organisms show evidence of change over time (structures, behaviors, and biochemistry).	<b>1</b>	<b>2</b>	<b>3</b>
	<b>LS 4</b> Humans are similar to other species in many ways, and yet are unique among Earth’s life forms.	<b>2</b>	<b>3</b>	<b>2</b>
	<b>Life Science Totals</b>	<b>9</b>	<b>12</b>	<b>10</b>
<b>Earth &amp; Space Science</b>	<b>ESS 1</b> The Earth and earth materials as we know them today have developed over long periods of time, through continual change processes.	<b>6</b>	<b>5</b>	<b>4</b>
	<b>ESS 2</b> The earth is part of a solar system, made up of distinct parts that have temporal and spatial interrelationships.	<b>0</b>	<b>3</b>	<b>0</b>
	<b>ESS 3</b> The origin and evolution of galaxies and the universe demonstrate fundamental principles of physical science across vast distances and time	<b>0</b>	<b>0</b>	<b>4</b>
	<b>Earth/Space Science Totals</b>	<b>6</b>	<b>8</b>	<b>8</b>
<b>Physical Science</b>	<b>PS 1</b> All living and nonliving things are composed of matter having characteristic properties that distinguish one substance from another ( <i>independent of size or amount of substance</i> )	<b>3</b>	<b>5</b>	<b>4</b>
	<b>PS 2</b> Energy is necessary for change to occur in matter. Energy can be stored, transferred and transformed, but cannot be destroyed.	<b>3</b>	<b>2</b>	<b>3</b>
	<b>PS 3</b> The motion of an object is affected by forces.	<b>2</b>	<b>1</b>	<b>3</b>
	<b>Physical Science Totals</b>	<b>8</b>	<b>8</b>	<b>10</b>
<b>Total NECAP Science Assessment Targets</b>		<b>23</b>	<b>28</b>	<b>28</b>