

Numbers and Distribution of Targets by Domain and Grade Span

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