

Science Grade 3

Summative Blueprint

Science Standards

Fundamental Science Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 10 Stand Alones		75 minutes		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Physical Science	PS2 Motion and Stability: Forces and Interactions	3-PS2-1 3-PS2-2 3-PS2-3 3-PS2-4*	5 2 Clusters 3 Stand Alone	31%
Life Science	LS1 From Molecules to Organisms: Structure and Processes	3-LS1-1	6 2 Clusters 4 Stand Alone	38%
	LS2 Ecosystems: Interactions, Energy, and Dynamics	3-LS2-1		
	LS3 Inheritance and Variation of Traits	3-LS3-1 3-LS3-2		
	LS4 Biological Evolution: Unity and Diversity	3-LS4-1 3-LS4-2 3-LS4-3 3-LS4-4*		
Earth and Space Science	ESS2 Earth's Systems	3-ESS2-1 3-ESS2-2	5 2 Clusters 3 Stand Alone	31%
	ESS3 Earth and Human Activity	3-ESS3-1*		
Engineering, Technology, & Application of Science (ETS)**	*PEs have an engineering component. **ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no key concepts prioritized in the science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage.

Science Grade 4

Summative Blueprint

Science Standards

Fundamental Science Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 10 Stand Alones		75 minutes		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Physical Science	PS3 Energy	4-PS3-1 4-PS3-2 4-PS3-3 4-PS3-4*	6 2 Clusters 4 Stand Alone	37.5%
	PS4 Waves and Their Applications in Technologies for Information Transfer	4-PS4-1 4-PS4-2 4-PS4-3*		
Life Science	LS1 From Molecules to Organisms: Structure and Processes	4-LS1-1 4-LS1-2	4 2 Clusters 2 Stand Alone	25%
Earth and Space Science	ESS1 Earth's Place in the Universe	4-ESS1-1	6 2 Clusters 4 Stand Alone	37.5%
	ESS2 Earth's Systems	4-ESS2-1 4-ESS2-2		
	ESS3 Earth and Human Activity	4-ESS3-1 4-ESS3-2*		
Engineering, Technology, & Application of Science (ETS)**	*PEs have an engineering component. **ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no key concepts prioritized in the science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage.

Science Grade 5

Summative Blueprint

Science Standards

Fundamental Science Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 10 Stand Alones		75 minutes		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Physical Science	PS1 Matter and Its Interactions	5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4	6 2 Clusters 4 Stand Alone	37.5%
	PS2 Motion and Stability: Forces and Interactions	5-PS2-1		
	PS3 Energy	5-PS3-1		
Life Science	LS1 From Molecules to Organisms: Structure and Processes	5-LS1-1	4 2 Clusters 2 Stand Alone	25%
	LS2 Ecosystems: Interactions, Energy, and Dynamics	5-LS2-1		
Earth and Space Science	ESS1 Earth's Place in the Universe	5-ESS1-1 5-ESS1-2	6 2 Clusters 4 Stand Alone	37.5%
	ESS2 Earth's Systems	5-ESS2-1 5-ESS2-2		
	ESS3 Earth and Human Activity	5-ESS3-1		
Engineering, Technology, & Application of Science (ETS)**	**ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no key concepts prioritized in the science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage.

Science Grade 6

Summative Blueprint

Science Standards

Fundamental Science Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 10 Stand Alones		75 minutes		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Physical Science	PS3 Energy	6-PS3-3* 6-PS3-4 6-PS3-5	4 2 Clusters 2 Stand Alone	25%
Life Science	LS1 From Molecules to Organisms: Structures and Processes	6-LS1-1 6-LS1-2 6-LS1-3 6-LS1-4 6-LS1-5 6-LS1-8	6 2 Clusters 4 Stand Alone	37.5%
	LS3 Heredity: Inheritance and Variation of Traits	6-LS3-2		
Earth and Space Science	ESS2 Earth's Systems	6-ESS2-4 6-ESS2-5 6-ESS2-6	6 2 Clusters 4 Stand Alone	37.5%
	ESS3 Earth and Human Activity	6-ESS3-3* 6-ESS3-4 6-ESS3-5		
Engineering, Technology, & Application of Science (ETS)**	*PEs have an engineering component. **ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no key concepts prioritized in the science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage.

Science Grade 7

Summative Blueprint

Science Standards

Fundamental Science Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 10 Stand Alones		75 minutes		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Physical Science	PS1 Matter and Its Interactions	7-PS1-1 7-PS1-2 7-PS1-3 7-PS1-4 7-PS1-5 7-PS1-6*	5 2 Clusters 3 Stand Alone	31%
Life Science	LS1 From Molecules to Organisms: Structures and Processes	7-LS1-6 7-LS1-7	6 2 Clusters 4 Stand Alone	38%
	LS2 Ecosystems: Interactions, Energy, and Dynamics	7-LS2-1 7-LS2-2 7-LS2-3 7-LS2-4 7-LS2-5*		
Earth and Space Science	ESS2 Earth's Systems	7-ESS2-1 7-ESS2-2 7-ESS2-3	5 2 Clusters 3 Stand Alone	31%
	ESS3 Earth and Human Activity	7-ESS3-1 7-ESS3-2		
Engineering, Technology, & Application of Science (ETS)**	*PEs have an engineering component. **ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no Key Concepts prioritized in the Science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage.

Science Grade 8

Summative Blueprint

Science Standards

Fundamental Science Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 10 Stand Alones		75 minutes		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Physical Science	PS2 Motion and Stability: Forces and Interactions	8-PS2-1* 8-PS2-2 8-PS2-3 8-PS2-4 8-PS2-5	6 2 Clusters 4 Stand Alone	37.5%
	PS3 Energy	8-PS3-1 8-PS3-2		
	PS4 Waves and Their Applications in Technologies for Information Transfer	8-PS4-1 8-PS4-2 8-PS4-3		
Life Science	LS3 Heredity: Inheritance and Variation of Traits	8-LS3-1	6 2 Clusters 4 Stand Alone	37.5%
	LS4 Biological Evolution: Unity and Diversity	8-LS4-1 8-LS4-2 8-LS4-3 8-LS4-4 8-LS4-5 8-LS4-6		
Earth and Space Science	ESS1 Earth's Place in the Universe	8-ESS1-1 8-ESS1-2 8-ESS1-3 8-ESS1-4	4 2 Clusters 2 Stand Alone	25%
Engineering, Technology, & Application of Science (ETS)**	*PEs have an engineering component. **ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no key concepts prioritized in the science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage.

Biology

Summative Blueprint

Science Standards

Fundamental Biology Content

# - Operational Items		Estimated Average Test Time		
6 Clusters 12 Stand Alone		90 minute		
Reporting Category	Disciplinary Core Idea (DCI)	Standards (Performance Expectation)	Number of Items	Approximate % of Test
Life Science	LS1 From Molecules to Organisms: Structures and Processes	BI-LS1-1 BI-LS1-2 BI-LS1-3 BI-LS1-4 BI-LS1-5 BI-LS1-6 BI-LS1-7	12 4 Clusters 8 Stand Alone	67%
	LS2 Ecosystems: Interactions, Energy, and Dynamics	BI-LS2-1 BI-LS2-2 BI-LS2-3 BI-LS2-4 BI-LS2-5 BI-LS2-6 BI-LS2-7* BI-LS2-8		
	LS3 Heredity: Inheritance and Variation of Traits	BI-LS3-1 BI-LS3-2 BI-LS3-3		
	LS4 Biological Evolution: Unity and Diversity	BI-LS4-1 BI-LS4-2 BI-LS4-3 BI-LS4-4 BI-LS4-5 BI-LS4-6*		
Earth and Space Science	ESS2 Earth's Systems	BI-ESS2-2 BI-ESS2-4 BI-ESS2-5 BI-ESS2-6 BI-ESS2-7	6 2 Clusters 4 Stand Alone	33%
	ESS3 Earth and Human Activity	BI-ESS3-1 BI-ESS3-2* BI-ESS3-3 BI-ESS3-4* BI-ESS3-5 BI-ESS3-6		
Engineering, Technology, & Application of Science (ETS)**	*PEs have an engineering component. **ETS will not be a reporting category.			
Depth of Knowledge (DOK)				
Items are written as three-dimensional clusters or stand-alone items and range from DOK 1-3.				

There are no key concepts prioritized in the science blueprints. The natural progression and minimum number of standards in each reporting category doesn't require prioritizing to guarantee coverage