District of Columbia
Office of the State Superintendent of Education

Spring 2016 Science Assessment Blueprint

Grade 5

Content Domain				
	Physical Science (PS)	Life Science (LS)	Earth Science (ESS)	Engineering (ETS)
Percent of Test Items by Domain	31%	32%	22%	16%
Weights for Overall Scoring[1]	25%	25%	25%	25%
Total Items[2]	6-8	6-8	4-6	3-4
Item Types (Percentages of Total Items)				
Select Response (SR)	55%			
Constructed Response (CR)	30%			
Technology Enhanced Items (TEI)[3]	15%			
NGSS Performance Expectations[4]				
	3-PS2-1	3-LS3-1	3-ESS2-1	3-5-ETS1-1
	4-PS3-2	3-LS3-2	4-ESS1-1	3-5-ETS1-2
	4-PS3-4	3-LS4-1	4-ESS2-1	3-5-ETS1-3
	5-PS1-3	3-LS4-4	5-ESS2-1	
		5-LS1-1	5-ESS2-2	
		5-LS2-1		

NGSS Web Site: http://www.nextgenscience.org/next-generation-science-standards
OSSE Web Site: http://osse.dc.gov/service/next-generation-science-standards-ngss

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[1]Each student receives an overall science score, with individual item weights varying across forms.
[2]Exact number of items may vary by test form.
[3]TEI may include drag and drop, fill-in table, drop-down menus, or select all that apply.
[4]Performance expectations are equivalent to standards. PEs represents the integration of three "dimensions" of science education: scientific and engineering practices, disciplinary core ideas, and crosscutting concepts.

Grade 8

Content Domain				
	Physical Science (PS)	Life Science (LS)	Earth Science (ESS)	Engineering (ETS)
Percent of Test Items by Domain	27%	14%	27%	32%
Weights for Overall Scoring[1]	25%	25%	25%	25%
Total Items[2]	5-7	3-4	6-7	6-8
Item Types (Percentages of Total Items)				
Select Response (SR)	58%			
Constructed Response (CR)	22%			
Technology Enhanced Items (TEI)[3]	20%			
NGSS Performance Expectations[4]				
	MS-PS1-2	MS-LS1-5	MS-ESS1-4	MS-ETS1-1
	MS-PS1-4	MS-LS1-6	MS-ESS2-3	MS-ETS1-2
	MS-PS2-1	MS-LS3-2	MS-ESS2-4	MS-ETS1-3
	MS-PS2-3	MS-LS4-1	MS-ESS3-3	
	MS-PS3-1		MS-ESS3-4	
	MS-PS4-1			
	MS-PS4-2			

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HS Biology

Content Domain				
	Physical Science (PS)	Life Science (LS)	Earth Science (ESS)	Engineering (ETS)
Percent of Test Items by Domain	0%	82%	0%	18%
Weights for Overall Scoring[1]	0%	50%	0%	50%
Total Items[2]	0	16-18	0	4-5
Item Types (Percentages of Total Items)				
Select Response (SR)	54%			
Constructed Response (CR)	29%			
Technology Enhanced Items (TEI)[3]	17%			
NGSS Performance Expectations[4]				
		HS-LS1-1		HS-ETS1-1
		HS-LS1-2		HS-ETS1-2
		HS-LS1-3		HS-ETS1-3
		HS-LS2-1		HS-ETS1-4
		HS-LS2-2		
		HS-LS2-4		
		HS-LS2-6		
		HS-LS3-1		
		HS-LS3-2		
		HS-LS4-1		
		HS-LS4-2		

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