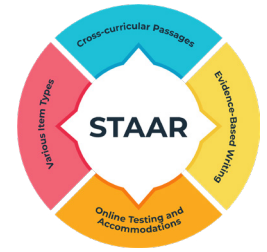


STAAR 2023-2024 • Blueprint Breakdown, English & Spanish

Grade 5 Science



STAAR Grade 5 Science Blueprint:

Reporting Category	Standard #s		# of Questions	# of Points
	Readiness	Supporting		
1. Matter and Energy	1	3	4-6	5-8
2. Force, Motion, and Energy	3	2	6-8	7-10
3. Earth and Space	3	10	8-10	9-13
4. Organisms and Environments	4	4	10-12	11-15
Total # of Standards on Test:	11	19		
Total % of Standards on Test:	37%	63%		

Questions per Number of Possible Points:

Question Type	# of Questions	% of Questions	# of Points	% of Points
1-Point Questions (multiple choice and non-multiple choice)	25	78.1%	25	64.1%
2-Point Questions (non-multiple choice)	7	21.9%	14	35.9%
Total:	32	100%	39	100%

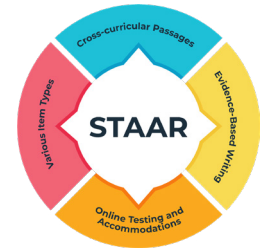
2023 STAAR SE Analysis — Lowest Five Performance Snapshot for Region 13:

SE #	Student Expectation (SE)	Tested	Weight	% Correct
4.7A	Examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants. (S)	1	3%	8%
5.5C	Identify changes that can occur in the physical properties of the ingredients of solutions such as dissolving salt in water or adding lemon juice to water. (S)	1	3%	28%
4.8B	Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process. (S)	1	3%	29%
5.5B	Demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand and sand and water. (S)	1	3%	31%
5.6D	Design a simple experimental investigation that tests the effect of force on an object. (S)	1	3%	31%

Data Source: ESC Region 13, All Students, English STAAR

STAAR 2023-2024 • Blueprint Breakdown, English & Spanish

Grade 8 Science



STAAR Grade 8 Science Blueprint:

Reporting Category	Standard #s		# of Questions	# of Points
	Readiness	Supporting		
1. Matter and Energy	5	4	9-11	10-14
2. Force, Motion, and Energy	2	5	7-9	8-12
3. Earth and Space	5	9	9-11	10-14
4. Organisms and Environments	2	11	9-11	10-14
Total # of Standards on Test:	14	29		
Total % of Standards on Test:	32.5%	67.5%		

Questions per Number of Possible Points:

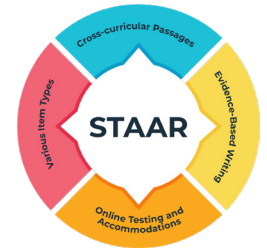
Question Type	# of Questions	% of Questions	# of Points	% of Points
1-Point Questions (multiple choice and non-multiple choice)	30	78.9%	30	65.2%
2-Point Questions (non-multiple choice)	8	21.1%	16	34.8%
Total:	38	100%	46	100%

2023 STAAR SE Analysis — Lowest Five Performance Snapshot for Region 13:

SE #	Student Expectation (SE)	Tested	Weight	% Correct
7.12D	Differentiate between structure and function in plant and animal cell organelles, including cell membrane, cell wall, nucleus, cytoplasm, mitochondrion, chloroplast, and vacuole. (S)	1	3%	23%
6.9C	Demonstrate energy transformations such as energy in a flashlight battery changes from chemical energy to electrical energy to light energy. (S)	1	3%	26%
8.6B	Differentiate between speed, velocity, and acceleration. (S)	1	3%	32%
6.8D	Measure and graph changes in motion. (S)	1	3%	33%
7.10B	Describe how biodiversity contributes to the sustainability of an ecosystem. (S)	1	3%	34%

Data Source: ESC Region 13, All Students, English STAAR

STAAR 2023-2024 • Blueprint Breakdown, English & Spanish Biology



STAAR Biology Blueprint:

Reporting Category	Standard #s		# of Questions	# of Points
	Readiness	Supporting		
1. Cell Structure and Function	3	3	8-10	8-13
2. Mechanisms of Genetics	3	4	8-10	8-13
3. Biological Evolution and Classification	3	6	8-10	8-13
4. Biological Processes and Systems	3	3	8-10	8-13
5. Interdependence within Environmental Systems	4	3	8-10	8-13
Total # of Standards on Test:	16	19		
Total % of Standards on Test:	46%	54%		

Questions per Number of Possible Points:

Question Type	# of Questions	% of Questions	# of Points	% of Points
1-Point Questions (multiple choice and non-multiple choice)	37	82%	37	70%
2-Point Questions (non-multiple choice)	8	18%	16	30%
Total:	45	100%	53	100%

2023 STAAR SE Analysis — Lowest Five Performance Snapshot for Region 13:

SE #	Student Expectation (SE)	Tested	Weight	% Correct
B.4A	Compare and contrast prokaryotic and eukaryotic cells , including their complexity, and compare and contrast scientific explanations for cellular complexity. (S)	1	2%	18%
B.5B	Describe the roles of DNA, ribonucleic acid (RNA), and environmental factors in cell differentiation. (S)	1	2%	24%
B.8C	Compare characteristics of taxonomic groups, including archaea, bacteria, protists, fungi, plants, and animals. (S)	1	2%	29%
B.10B	Describe the interactions that occur among systems that perform the functions of transport, reproduction, and response in plants. (R)	2	4%	31%
B.7A	Analyze and evaluate how evidence of common ancestry among groups is provided by the fossil record, biogeography, and homologies, including anatomical, molecular, and developmental. (R)	1	2%	32%

Data Source: ESC Region 13, All Students, English STAAR