



Integrated Science 8 Semester 2 Final Assessment Blueprint

Year: 2024-2025
Subject: Science

Method of Delivery: Online
Administration Window: May 12-22

Resources

[Integrated Science 8 Curriculum Map](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
SCI.6-8.MS-LS3-1	1	Develop and use a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.
SCI.8.8.E1U3.8	10	Construct and support an argument about how human consumption of limited resources impacts the biosphere.
SCI.8.8.L3U1.9	9	Construct an explanation of how genetic variations occur in offspring through the inheritance of traits or through mutations.
SCI.8.8.L3U3.10	5	Communicate how advancements in technology have furthered the field of genetic research and use evidence to support an argument about the positive and negative effects of genetic research on human lives.
SCI.8.8.L4U1.11	9	Develop and use a model to explain how natural selection may lead to increases and decreases of specific traits in populations over time.
SCI.8.8.L4U1.12	6	Gather and communicate evidence on how the process of natural selection provides an explanation of how new species can evolve.
SCI.9-12.HS-LS3-3	4	Apply concepts of statistics and probability to explain the variation and distribution of expressed traits in a population.

* Some items are tagged to more than one standard.

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	1
Level 2: Skill/Concept	36
Level 3: Strategic Thinking	7

Item Types Included

Type	Number of Items	Description
EBSR	2	Evidence-Based Selected Response - answer a two-part question in which Part B provides text evidence for the answer in Part A
MC	34	Inline Choice - Select the correct response from one or more dropdown menus within the question
MR	8	Multiple Choice - Select one answer
MR	7	Multiple Response - Select all the correct answers