



Science: Physics Semester 1 Final Assessment Blueprint

Year: 2024-2025

Method of Delivery: Online

Subject: Science

Administration Window: December 9-19

Resources

Physics Curriculum Map

Standards At-A Glance

Standard	Number of Items	Standard Description
Phys.9-12.1a	2	Students know how to solve problems that involve constant speed and average speed.
SCI.9-12.5.2.PO 2	2	Analyze the relationships among position, velocity, acceleration, and time: graphically; mathematically
SCI.9-12.HS.P3U1.6	10	Collect, analyze, and interpret data regarding the change in motion of an object or system in one dimension, to construct an explanation using Newton's Laws.
SCI.9-12.HS.P3U2.7	6	Use mathematics and computational thinking to explain how Newton's laws are used in engineering and technologies to create products to serve human ends.
SCI.9-12.HS+Phy.P3U1.3	14	Develop a mathematical model, using Newton's laws, to predict the motion of an object or system in two dimensions (projectile and circular motion).

* Some items may be tagged to more than one standard.

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	2
Level 2: Skill/Concept	28
Level 3: Strategic Thinking	4

Item Types Included

Type	Number of Items	Description
EBSR	1	Evidence-Based Selected Response - Answer a two-part question in which Part B provides text evidence for the answer in Part A
MC	30	Multiple Choice - Select one answer
MR	2	Multiple Response - Select all the correct answers
MP	1	Multi-Part - Answer a question with multiple parts