



### ACP/BAMS Integrated Science Grade 7 Semester 2 Final Assessment Blueprint

Year: 2024-2025  
Subject: Science

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

#### Resources

[Integrated Science 7 Curriculum Map](#)

#### Standards At-A Glance

Standard	Number of Items	Standard Description
SCI.7.7.L2U1.12	2	Construct an explanation for how some plant cells convert light energy into food energy.
SCI.8.8.P1U1.1	5	Develop and use a model to demonstrate that atoms and molecules can be combined or rearranged in chemical reactions to form new compounds with the total number of each type of atom conserved.
SCI.8.8.P1U1.2	6	Obtain and evaluate information regarding how scientists identify substances based on unique physical and chemical properties.
SCI.8.8.P4U1.3	6	Construct an explanation on how energy can be transferred from one energy store to another.
SCI.8.8.P4U1.4		Develop and use mathematical models to explain wave characteristics and interactions.
SCI.8.8.P4U2.5	7	Develop a solution to increase efficiency when transferring energy from one source to another.

\* Some items are tagged to more than one standard.

#### Depth of Knowledge

DOK	Number of Items
Level 1: Recall	1
Level 2: Skill/Concept	23
Level 3: Strategic Thinking	6

#### Item Types Included

Type	Number of Items	Description
EBSR	4	Evidence-Based Selected Response - answer a two-part question in which Part B provides text evidence for the answer in Part A
IC	6	Inline Choice - Select the correct response from one or more dropdown menus within the question
MC	18	Multiple Choice - Select one answer
MR	2	Multiple Response - Select all the correct answers