

MAAP-SCI Grade 8 Blueprint

These blueprints correlate to the performance objectives found in the *Mississippi College- and Career-Readiness Standards for Science* beginning with school year 2018-2019.

Content Strand/Disciplinary Core Idea	Number of Total Performance Objectives	Number of Items
Life Science	17	13-22
<i>Reproduction and Heredity</i>	<i>11</i>	
<i>Adaptation and Diversity</i>	<i>6</i>	
Physical Science	8	6-10
<i>Motions, Forces, and Energy</i>	<i>8</i>	
Earth and Space Science	18	13-25
<i>Earth's Structure and History</i>	<i>4</i>	
<i>Earth's Systems and Cycles</i>	<i>10</i>	
<i>Earth's Resources</i>	<i>4</i>	
TOTAL SCORED ITEMS		45
Field-Test Items		10
TOTAL TEST		55

All science assessments will utilize an embedded field-test design and will consist of Multiple Choice (MC) items and Technology-Enhanced (TE) items which are described below.

Item Type	Points	Description
Multiple Choice (MC)	1	Each has four response options, only one of which is correct; used to assess a variety of skill and content levels; each of these items is worth one point.
Technology-Enhanced (TE)	1 Or 2	Each is designed to elicit evidence of a broad range of student understanding; student interacts with enhanced features of these computer-delivered, <u>auto-scorable</u> test items to show understanding of skills and concepts; includes the drag-and-drop, hot-spot, number line, data displays, matching interactions, drop-down menus, multiple answer MC, and text entry responses; these items are scored on a 0-1 or 0-2-point scale using item-specific scoring rules.

Please Note: The TE items are similar in style to the item format in the MAAP – Math assessments. Science does **not** currently have performance task items.