

The Mississippi Department of Education, Office of Student Assessment, is releasing the revised blueprint for the Mississippi Academic Assessment Program for Science (MAAP-SCI) in grades 5 and 8 and the MAAP End-of-Course Assessment (MAAP-EOC) for Biology. These blueprints will correlate to the Mississippi College- and Career-Readiness Standards for Science in SY 2018-2019.

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, <i>auto-scorable</i> 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 the same general style as the items found in the MAAP – Math assessments. We do not currently have performance task items for science.

MAAP-SCI Grade 5 Blueprint

Content Strand/Disciplinary Core Idea	Number of Total Performance Objectives	Number of Items
Life Science	6	8-10
<i>Ecology and Interdependence</i>	6	
Physical Science	18	19-26
<i>Organization of Matter and Chemical Interactions</i>	12	
<i>Motions, Forces, and Energy</i>	6	
Earth and Space Science	10	10-14
<i>Earth and the Universe</i>	8	
<i>Earth's Resources</i>	2	
TOTAL SCORED ITEMS		40
Field-Test Items		10
TOTAL TEST		50

MAAP-SCI Grade 8 Blueprint

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

MAAP-EOC Biology Blueprint

Content Strand/Disciplinary Core Idea	Number of Total Performance Objectives	Number of Items
Cells and Energy	18	16-30
<i>Cells as a System</i>	<i>14</i>	<i>12-24</i>
<i>Energy Transfer</i>	<i>4</i>	<i>4-6</i>
Heredity and Evolution	17	15-23
<i>Reproduction & Heredity</i>	<i>11</i>	<i>10-16</i>
<i>Adaptations and Evolution</i>	<i>6</i>	<i>5-7</i>
Interdependence of Organisms and Their Environments	7	8-10
TOTAL SCORED ITEMS		55
Field-Test Items		10
TOTAL TEST		65

The MDE will release more information about the new science assessments throughout the school year. Practice items, along with an online-training tool, for student use will be available in the fall. For more information about the science assessments, please contact the MDE science specialist, Dr. Jackie Sampsell, jsampsell@mdek12.org.