



## Mississippi Academic Assessment Program (MAAP)

# SCIENCE GRADE 5

### Revised Blueprints

MISSISSIPPI DEPARTMENT OF EDUCATION

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## Assessment Blueprint

# Science Grade 5

This blueprint describes the content and structure of an assessment and defines the ideal percentage of operational test items by reporting category for the Mississippi Academic Assessment Program (MAAP).

Content Strand/Disciplinary Core Idea	MS CCRS Standards Available for Assessment		Percentage of Points by Reporting Category
<b>Life Science</b>			<b>18% - 22%</b>
Ecology and Interdependence	L.5.3.A; L.5.3.B (6 objectives)		
<b>Physical Science</b>			<b>42% - 58%</b>
Organization of Matter and Chemical Interactions	P.5.5A; P.5.5B; P.5.5C (12 objectives)		
Motions, Forces, and Energy	P.5.6 (6 objectives)		
<b>Earth and Space Science</b>			<b>22% - 31%</b>
Earth and the Universe	E.5.8A; E.5.8B (8 objectives)		
Earth's Resources	E.5.10 (2 objectives)		
<b>Operational Items</b>	<b>40</b>	<b>Total Points</b>	<b>45</b>
<b>Field Test Items</b>	<b>10</b>	<b>Total Testing Time</b>	
<b>Total Items</b>	<b>50</b>		
			<b>100%</b>
			<b>180 Minutes (3 Hours)</b>

- The Depth of Knowledge (DOK) level of items across the operational test form will be tracked to have as much variety as possible. The goal is for 65-85% of the items on the form to be DOK level 2 and approximately 5-10% of the items on the form to be DOK level 1 and DOK level 3 combined. However, we recognize that standard distribution, item types, and item statistics take priority when building the form.
- All science assessments will utilize an embedded field-test design and will consist of
  - Multiple Choice (MC) items including 1 answer/4 options and multi-select 2-4 answers/many options; and
  - Technology-Enhanced (TE) items.
- The TE items are designed to elicit evidence of a broad range of student understanding; student interacts with enhanced features of these computer-delivered, **auto-scorable** test items to show understanding of skills and concepts; includes drag-and-drop, hot-spot, bar graphs, data displays, matching interactions, text highlights, text entry, and drop-down menus. These items are scored on a 0-1 or 0-2 point scale using item-specific scoring rules.