

Mississippi Academic Assessment Program (MAAP)

Blueprint Updates

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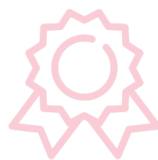
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MISSISSIPPI
DEPARTMENT OF
EDUCATION

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1

ALL Students Proficient and Showing Growth in All Assessed Areas



2

EVERY Student Graduates from High School and is Ready for College and Career



3

EVERY Child Has Access to a High-Quality Early Childhood Program

EVERY School Has Effective Teachers and Leaders

4



EVERY Community Effectively Uses a World-Class Data System to Improve Student Outcomes

5



EVERY School and District is Rated “C” or Higher

6



VISION

To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens



MISSION

To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community

- To provide educators and stakeholders with an overview of the updates to the Mississippi Academic Assessment Program (MAAP) blueprints
- To familiarize users with the various blueprint components
- To understand how to interpret and use assessment blueprints

- The Office of Student Assessment is responsible for the development, coordination, and administration of all state and federally mandated assessments for students in Mississippi's public schools.
- In Mississippi, our first goal is all students proficient and showing growth in all assessed areas. Data from these state assessments is used to determine progress toward meeting this goal.





- The measurement of student learning through assessment is important because it provides useful feedback to both instructors and students about the extent to which students are successfully meeting course learning objectives.
- In other words, assessments tell you about students' progress on the path to future success, whether that's the next grade or the next course.

What are Assessment Blueprints?

A test blueprint is a **TOOL**





- Provide an outline of the content and skills to be measured on the assessment;
- Ensure assessments are aligned directly to the standards; and
- Make informed instructional decisions to ensure all standards are addressed.

Assessment blueprints for MAAP



- describe the content from the standards and structure of the assessment;
- define the ideal percentage of operational test items by reporting category;
- provide a plan for educators of what the assessment will measure; and
- guide all subsequent steps of test construction.



Blueprint updates were needed

- to provide the districts with a more accurate view of test construction parameters;
- to ensure **consistency** in the test construction methods, the performance level descriptors, and the cognitive complexity; and
- to meet the United States Department of Education's Peer Review Report requirements.

Blueprint Components


Have a fresh new look with a simplified “all in one” style!

Starting 2021-2022 School Year

MAAP Assessment Blueprint English II

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). During the testing window for the MAAP Language Arts (ELA), students will complete online operational items and online field-test items (Session 1) and an online operational performance task (writing task- Session 2).

Session	Reporting Category	Standards Available for Assessment	Percentage of Points by Reporting Category
Session 1	Reading Literature (RL)		30-37%
	Key Ideas	RL.9-10 (1, 2, 3)	15-17%
	Craft and Structure	RL.9-10 (4, 5, 6)	13-17%
	Integration of Knowledge and Ideas	RL.9-10 (7, 9)	2-3%
	Reading Informational Texts (RI)		52-55%
	Key Ideas	RI.9-10 (1, 2, 3)	25-27%
	Craft and Structure	RI.9-10 (4, 5, 6)	22-25%
	Integration of Knowledge and Ideas	RI.9-10 (7, 8, 9)	3-5%
	Language (L)	L.9-10 (4, 5, 6)	12-15%
	Operational Items	50	Total Points 60
Field Test Items	10		
Total Session 1 Items	60	Total Session 1 Testing Time	180 Minutes (3 Hours)




Starting 2021-2022 School Year

MAAP Assessment Blueprint English II

Session	Reporting Category	Standards Available for Assessment	Percentage of Points by Reporting Category
Session 2	Writing (W)*	W.9-10 (1, 2, 3) L.9-10 (1, 2, 3)	100%
	Total Writing Prompts	1	Total Points 12
	Total Session 2 Testing Time		75 minutes (1 hour & 15 minutes)
Total Items Session 1 & Session 2		61	Total Points 72

Note*: The Writing standard measured (W.1, W.2, or W.3) will be dependent on the writing prompt, which may vary by form. L.3-3 will be measured in the writing task and scored using the [writing rubric](#). Session 1 items and the Session 2 writing task are combined as a single assessment. Session 1 and Session 2 are not scored as separate assessments. Students are given one total score.

- 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 75% of the items on the form to be DOK level 2 and approximately 25% 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.
- The goal is for the form to contain approximately 75-80% Multiple Choice Single Select (MCSS) items and the remaining 20-25% of the items will be Multiple Choice Multiple Select (MCMS), Composite, and Technology Enhanced Item (TEI) Item Types.
- The operational form will be built to ensure that at least 75% of the standards in a reporting category will be assessed each year.
- The distribution of standards being assessed will be tracked on a rolling 3-year basis to ensure that across each 3-year period, all strands will have been assessed. The DOK levels and item types being assessed will also be documented on this tracker.



Starting 2021-2022 School Year


MAAP Assessment Blueprint Mathematics Grade 8

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). Starting with the 2021-2022 school year, the mathematics assessments will only have one (1) session.

Reporting Category	Mississippi College- and Career-Readiness Standards Available for Assessment	Percentage of Points by Reporting Category
The Number System (NS)	8.NS (1, 2)	9-14%
Expressions and Equations (EE)	8.EE (1, 2, 3, 4, 5, 6, 7, 8)	26-34%
Functions (F)¹	8.F (1, 2, 3, 4, 5)	17-23%
Geometry (G)	8.G (1, 2, 3, 4, 5, 6, 7, 8, 9)	26-34%
Statistics and Probability (SP)	8.SP (1, 2, 3, 4)	9-14%
Operational Items	61	Total Points 65
Field Test Items	10	
Total Items	71	Total Testing Time 180 Minutes (3 Hours)

Note¹: Function notation is not taught in Grade 8.

- 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 75% of the items on the form to be DOK level 2 and approximately 25% 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.
- The goal is for the form to contain approximately 75-80% Multiple Choice Single Select (MCSS) items and the remaining 20-25% of the items will be Multiple Choice Multiple Select (MCMS), Match, Numeric Entry, Grid, and Composite Item Types.
- The operational form will be built to ensure that at least 75% of the standards in a reporting category will be assessed each year.
- The distribution of standards being assessed will be tracked on a rolling 3-year basis to ensure that across each 3-year period, all strands would have been assessed. The DOK levels and item types being assessed will also be documented on this tracker.





Reporting Category

MS-CCRS Standards Available for Assessment

Percentage of Points by Reporting Category

Total Items, Points, and Testing Time

Operational Form Development Notes

- Reporting categories are groups of similar standards that are assessed within each grade and subject.
 - For example, in Mathematics, some reporting categories include The Number System (NS), Expressions and Equations (EE), Functions (F), Geometry (G), and Statistics and Probability (SP).
- Student performance within a reporting category indicates how proficient a student is with that subdomain of content.
 - These sets of standards can be used to identify each student's relative strengths or areas for improvement.



MAAP blueprints have shifted to a percentage of points per reporting category.



- This shift allows for the following:
 - Flexibility in meeting sound psychometric test construction parameters; and
 - Availability of items and/or item types within or across reporting categories.

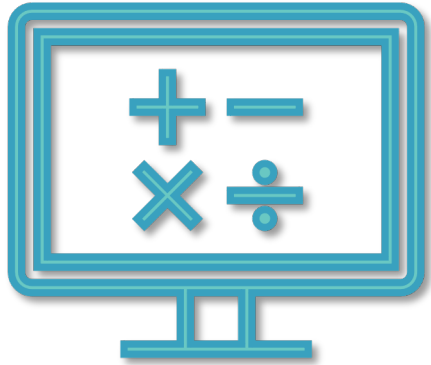
- **All** MAAP assessments will now have a universal time of 180 minutes.
- **The ELA Writing (Session 2) will remain unchanged with the 75-minute time limit.**
- The MDE is encouraging districts/schools to use flexibility to dismiss students for other activities if all students complete the test earlier than the proposed time.



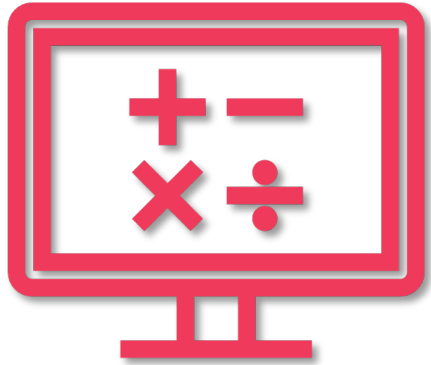


- To meet the United States Department of Education’s Peer Review Report requirements, operational form development notes have been added to the blueprint documents.
- These test construction goals include:
 - Depth of Knowledge (DOK);
 - Item Types; and
 - Standards coverage.

Mathematics



- Allow for a shortened test that includes removing Session 2 from the mathematics assessments.
- Maximize instructional time for students and educators by reducing time required for state summative assessments.



- Scale scores produced for the revised mathematics tests will not change and will continue to be on the same scale as the original test.
- All items have been equated and psychometrically placed on a common scale to generate scale scores for each administration.

Mathematics Item Counts			
	Number of Operational Items	Number of Field Test Items	Total Number of Items
Grades 3-5	49	9	58
Grades 6-8	61	10	71
Algebra I	60	10	70

Blueprint Example 2 : Grade 8 Mathematics

The **Reporting Category** identifies the strands assessed in mathematics.

The **Standards Available for Assessment** identifies the available MS-CCRS Standards assessed in mathematics.

The **Percentage of Points by Reporting Category** identifies a percentage range of the total possible points on the mathematics assessment

Number of Items
(Operational, Field Test, & Total)

Notes from MC-CCRS

Assessment Total Points

Testing Time

Reporting Category	Mississippi College- and Career-Readiness Standards Available for Assessment		Percentage of Points by Reporting Category
The Number System (NS)	8.NS (1, 2)		9-14%
Expressions and Equations (EE)	8.EE (1, 2, 3, 4, 5, 6, 7, 8)		26-34%
Functions (F) ¹	8.F (1, 2, 3, 4, 5)		17-23%
Geometry (G)	8.G (1, 2, 3, 4, 5, 6, 7, 8, 9)		26-34%
Statistics and Probability (SP)	8.SP (1, 2, 3, 4)		9-14%
Operational Items	61	Total Points	65
Field Test Items	10	Total Testing Time	180 Minutes (3 Hours)
Total Items	71		

Note¹: Function notation is not taught in Grade 8.

Depth of Knowledge (DOK) Ranges identifies the approximate number of DOK 1-3 items on a mathematics assessment form.

Item Type Ranges identifies the approximate number of varying available item types.

Operational Form Development Notes:

- 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 75% of the items on the form to be DOK level 2 and approximately 25% of the items on the form to be DOK level 1 and DOK level 3. However, we recognize that standard distribution, item types, and item statistics take priority when building the form.
- The goal is for the form to contain approximately 70% Multiple Choice Single Select (MCSS) items and the remaining 30% of the items will be Multiple Choice Multiple Select (MCMS), Match, Numeric Entry, Grid, and Composite Item Types.
- The operational form will be built to ensure that at least 75% of the standards in a reporting category will be assessed each year.

Form Build Goals
percentage of standards to be assessed each year.

English Language Arts

Session 1				Session 2
	# of Passages/ Operational Items	# of Field Test Passages / Items	Total # of Items	Operational Passage / Prompt
Grades 3-5	4 / 40	1 / 9	49	1 / 1
Grades 6-8	5 / 50	1 / 10	60	1 / 1
English II	6 / 50	1 / 10	60	1 / 1
Grade 3 Retests	4 / 40	0	40	1 / 1
Session 1 Time: NOW 180 Minutes for ALL Grades				Session 2: 75 Minutes

Blueprint Example 1 : English II Session 1

The **Reporting Category** identifies the strands assessed in ELA.

The **Standards Available for Assessment** identifies the available MS-CCRS Standards assessed in ELA.

The **Percentage of Points by Reporting Category** identifies a percentage range of the total possible points on the ELA assessment

Number of Items
(Operational, Field Test, & Total)

Assessment Total Points

Session 1 Testing Time

Session	Reporting Category	Mississippi College- and Career-Readiness Standards Available for Assessment		Percentage of Points by Reporting Category	
		Operational Items	Total Points		
Session 1	Reading Literature (RL)			30-37%	
	Key ideas		RL.9-10 (1, 2, 3)	15-17%	
	Craft and Structure		RL.9-10 (4, 5, 6)	13-17%	
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	Language (L)		L.9-10 (4, 5, 6)	12-15%	
	Operational Items	50	Total Points	60	100%
	Field Test Items	10	Total Session 1 Testing Time		180 Minutes (3 Hours)
	Total Session 1 Items	60			

The **Reporting Category** identifies the strands assessed in ELA.

The **Standards Available for Assessment** identifies the available MS-CCRS Standards assessed ELA.

The **Percentage of Points by Reporting Category** identifies a percentage range of the total possible points on the ELA assessment

Writing Note & Rubric Information

Session	Reporting Category	Standards Available for Assessment	Percentage of Points by Reporting Category
Session 2	Writing (W)*	W.9-10 (1, 2, 3) L.9-10 (1, 2, 3)	100%
	Total Writing Prompts	1	Total Points 12
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Total Writing Points

Session 2 Testing Time

Assessment Total Points

Number of Items (Prompts)

Depth of Knowledge (DOK) Ranges identifies the approximate number of DOK 1-3 items on an ELA assessment form.

Item Type Ranges identifies the approximate number of varying available item types.

Operational Form Development Notes:

- 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 75% of the items on the form to be DOK level 2 and approximately 25% 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.
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- The operational form will be built to ensure that at least 75% of the standards in a reporting category will be assessed each year.

Form Build Goals
percentage of standards to be assessed each year.

Using Test Blueprints

Curriculum Design

- **Make Informed Instructional Decisions**
 - Unpack the MS College- and Career- Readiness Standards (MS-CCRS).
 - Identify alignment between High Quality Instructional Materials (HQIM) and test blueprints to ensure all standards are addressed.

Instructional Planning

- **Deep Dive into Content Standards**
 - Plan classroom activities that
 - Allow students to engage in grade level content.
 - Are both rigorous and vastly covers various Depth of Knowledge (DOK) levels of cognitive complexity.

Local Assessments

- **Focus on the Content**
 - Design common assessments based on the units of instruction that assess the rigorous content at the various DOK levels.

[Mississippi Instructional Materials Matter](https://msinstructionalmaterials.org)
<https://msinstructionalmaterials.org>

If we are measuring the effects of teaching the MS College—and Career—Readiness Standards.

✓ Our assessments must reflect what is taught.

✓ Our teaching must reflect the aligned standards.



Questions?

Please do not hesitate to email us!

General Student Assessment – jsampsell@mdek12.org

ELA – mbeck@mdek12.org

Math – ecook@mdek12.org

mdek12.org



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