

# Measures of Academic Progress (MAP) Georgia State-Aligned Version 2

The NWEA Goal Structure is a document that represents the content and structure of a state's standards documents. Goal structures are created through an alignment process that links state standards documents to the NWEA item bank. The MAP tests and associated reports for teachers and students are based upon this structure and alignment.

The alignment process begins with a thorough review of a state's standards documents by NWEA's curriculum specialists. The general goal areas or strands within a state's standards that appear across grade levels become the goals in the goal structure (indicated below as bold). Areas in a state's standards documents that are determined to be sub-domains of the goals/strands become the sub-goals in the goal structure (indented under each goal below).

Goal and sub-goal names from the Goal Structure are shortened for technical reasons to create the headings in DesCartes. Report Names are shortened further to accommodate report specifications.

<b>Mathematics 2-5 Goal Structure</b>	<b>Mathematics 2-5 DesCartes</b>	<b>Mathematics 2-5 Report Names</b>
<b>Numbers and Operations*</b>	<b>Numbers and Operations</b>	<b>Numbers and Operations</b>
Students will develop their understanding of whole numbers	Whole Numbers: Understanding	
Students will develop their understanding of decimal fractions	Decimal Fractions: Understanding	
Students will develop their understanding of common fractions	Common Fractions: Understanding	
Students will develop their understanding of percentage	Percentage: Understanding	
Students will compute with whole numbers: addition and subtraction	Whole Numbers: Addition and Subtraction	
Students will compute with whole numbers: multiplication and division	Whole Numbers: Multiplication and Division	
Students will compute with decimal fractions	Decimal Fractions: Computation	
Students will compute with common fractions	Common Fractions: Computation	
<b>Measurement</b>	<b>Measurement</b>	<b>Measurement</b>
Students will understand and measure time, temperature, and angles	Time, Temperature, and Angles	
Students will understand and measure length, weight, and capacity	Length, Weight, and Capacity	
Students will understand and compute perimeter and area	Perimeter and Area	

Students will understand and compute volume	Volume	
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<b>Geometry</b>	<b>Geometry</b>	<b>Geometry</b>
Students will develop their understanding of plane figures	Plane Figures	
Students will develop their understanding of solid figures	Solid Figures	
Students will use the coordinate system	Coordinate System	
<b>Algebra</b>	<b>Algebra</b>	<b>Algebra</b>
Students will represent and interpret the relationships between quantities algebraically: patterns	Patterns	
Students will represent and interpret the relationships between quantities algebraically: symbols, variables, and expressions	Symbols, Variables, and Expressions	
<b>Data Analysis and Probability</b>	<b>Data Analysis and Probability</b>	<b>Data Analysis and Probability</b>
Students will gather, organize, and display data and interpret graphs	Data and Graphs	
<b>Process Skills</b>	<b>Process Skills</b>	<b>Process Skills</b>
Students will solve problems that arise in mathematics and in other contexts	Problem Solving	
Students will investigate, develop, and evaluate mathematical arguments, express ideas precisely, and use pictures, manipulatives, models, and symbols to organize, record, and communicate mathematical ideas	Mathematical Arguments and Communication	

\*Denotes that calculator use is not permitted in this goal or sub-goal of the test.

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<b>Mathematics 6+ Goal Structure</b>	<b>Mathematics 6+ DesCartes</b>	<b>Mathematics 6+ Report Names</b>
<b>Numbers and Operations</b>	<b>Numbers and Operations</b>	<b>Numbers and Operations</b>
Students will develop their understanding of whole numbers*	Whole Numbers: Understanding	
Students will develop their understanding of decimal fractions*	Decimal Fractions: Understanding	
Students will develop their understanding of common fractions*	Common Fractions: Understanding	
Students will compute with whole numbers: addition and subtraction*	Whole Numbers: Addition and Subtraction	
Students will compute with whole numbers: multiplication and division*	Whole Numbers: Multiplication and Division	
Students will compute with decimal fractions*	Decimal Fractions: Computation	
Students will compute with common fractions*	Common Fractions: Computation	
Students will understand the meaning of positive and negative rational numbers and use them in computation	Rational Numbers: Understanding, Computation	
Students will represent and operate with complex numbers	Complex Numbers: Understanding, Computation	
Students will understand different representations of numbers including square roots, exponents, and scientific notation	Square Roots, Exponents, Scientific Notation	
Students will develop their understanding and use of percentage	Percentage: Understanding and Computation	
<b>Measurement</b>	<b>Measurement</b>	<b>Measurement</b>
Students will understand and measure time, temperature, and angles	Time, Temperature, and Angles	
Students will understand and measure length, weight, and capacity	Length, Weight, and Capacity	
Students will understand and compute perimeter and area	Perimeter and Area	
Students will understand and compute volume and surface area	Volume and Surface Area	
<b>Geometry</b>	<b>Geometry</b>	<b>Geometry</b>

Students will develop their understanding of plane figures	Plane Figures	
Students will develop their understanding of solid figures	Solid Figures	
Students will use the coordinate system	Coordinate System	
Students will demonstrate understanding of transformations, and use the properties of similarity and congruence	Transformations, Similarity, and Congruence	
Students will understand and use the Pythagorean theorem	Pythagorean Theorem	
<b>Algebra</b>	<b>Algebra</b>	<b>Algebra</b>
Students will represent and interpret the relationships between quantities algebraically: patterns, series, and sequences	Patterns, Series, and Sequences	
Students will represent and evaluate quantities using algebraic expressions	Algebraic Expressions	
Students will understand the concept of ratio and use it to represent quantitative relationships	Ratio and Proportion	
Students will solve and graph equations, inequalities, and systems of equations and inequalities	Equations, Inequalities, and Systems	
Students will understand, graph, and apply relations and functions	Relations and Functions	
Students will understand and use trigonometric functions, vectors, and matrices	Trigonometric Functions, Vectors, and Matrices	
<b>Data Analysis and Probability</b>	<b>Data Analysis and Probability</b>	<b>Data Analysis and Probability</b>
Students will gather, organize, display, interpret, analyze, and make inferences from statistical data	Statistical Data	
Students will determine the number of outcomes related to a given event and use the laws of probability	Probability	
<b>Process Skills</b>	<b>Process Skills</b>	<b>Process Skills</b>
Students will solve problems	Problems Solving	

Students will reason and evaluate mathematical arguments, communicate mathematically, and represent mathematics in multiple ways	Mathematical Arguments and Communication	
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## Measures of Academic Progress (MAP) Georgia State-Aligned Version 2

Reading Goal Structure	Reading DesCartes	Reading Report Names
<b>Reading: Phonics and Word Identification</b>	<b>Phonics and Word Identification</b>	<b>Phonics, Word Identification</b>
Phonological awareness: identifies and orally manipulates words and sounds	Phonological Awareness	
Demonstrates knowledge of concepts of print	Concepts of Print	
Applies phonics and word identification	Phonics and Word Identification	
Understands and acquires new vocabulary in all content areas	Understand and Acquire New Vocabulary	
Identifies common root words	Identifies Common Root Words	
<b>Reading: Strategies to Gain Meaning</b>	<b>Strategies to Gain Meaning</b>	<b>Strategies to Gain Meaning</b>
Identifies characteristics of various genres	Identifies Characteristics of Various Genres	
Demonstrates comprehension	Demonstrates Comprehension	
Makes judgements and inferences	Makes Judgments and Inferences	
Applies knowledge of theme, main idea	Applies Knowledge of Theme, Main Idea	
<b>Reading: Strategies to Understand Purpose and Structure</b>	<b>Understand Purpose and Structure</b>	<b>Purpose and Structure</b>
Applies knowledge of author's technique, analyzes purpose	Applies Knowledge of Author's Technique, Purpose	
Explains and analyzes the effects of figurative language	Analyzes the Effects of Figurative Language	
Applies knowledge of structures and elements of nonfiction	Applies Structures and Elements of Nonfiction	
Applies knowledge of structures and elements of fiction	Applies Structures and Elements of Fiction	
<b>Reading: Strategies to Understand Validity and Merits of Text</b>	<b>Validity and Merits of Text</b>	<b>Validity and Merits of Text</b>
Evaluates validity and reliability of sources	Evaluates Validity and Reliability of Sources	

Compares and contrasts presentation of theme or topic across genres	Compares and Contrasts Across Genres	
Evaluates the merit of text	Evaluates the Merit of Text	

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Language Usage Goal Structure	Language Usage DesCartes	Language Usage Report Names
<b>Demonstrates Competency in the Writing Process: Prewrite</b>	<b>Writing Process: Prewrite</b>	<b>Writing: Prewrite</b>
Concepts of print	Concepts of Print	
Stages of the writing process	Stages of the Writing Process	
Consideration of the audience	Consideration of the Audience	
Consideration of the purpose	Consideration of the Purpose	
Generates ideas	Generates Ideas	
<b>Demonstrates Competency in the Writing Process: Draft, Revise</b>	<b>Writing Process: Draft, Revise</b>	<b>Writing: Draft, Revise</b>
Uses writing process to develop ideas	Uses Writing Process to Develop Ideas	
Revises to add details and improve meaning	Revises to Add Details and Improve Meaning	
Uses organizational structures: purpose, audience, context	Uses Structures: Purpose, Audience, Context	
<b>Demonstrates Competency in the Writing Process: Edit, Publish</b>	<b>Writing Process: Edit, Publish</b>	<b>Writing: Edit, Publish</b>
Edits writing to improve punctuation, capitalization	Edits Writing, Improve Punctuation, Capitalization	
Edits to correct errors in spelling	Edits to Correct Errors in Spelling	
Edits writing to improve grammar	Edits Writing to Improve Grammar	
Produces final draft	Produces Final Draft	
<b>Conventions: Control of the Rules of the English Language (grammar)</b>	<b>Conventions: Grammar</b>	<b>Conventions: Grammar</b>
Applies rules of standard English: nouns and pronouns	Applies Standard English: Nouns, Pronouns	
Applies rules of standard English: verbs	Applies Standard English: Verbs	

Applies rules of standard English: adjective and adverbs	Applies Standard English: Adjectives, Adverbs	
Applies rules of standard English: conjunctions and prepositions	Applies Standard English: Conjunctions, Prepositions	
Applies rules of standard English: negatives and interjections	Applies Standard English: Negatives, Interjections	
Applies rules of standard English: phrases and clauses	Applies Standard English: Phrases, Clauses	
<b>Conventions: Control of the Rules of the English Language (mechanics)</b>	<b>Conventions: Mechanics</b>	<b>Conventions: Mechanics</b>
Conventions of punctuation	Conventions of Punctuation	
Conventions of capitalization	Conventions of Capitalization	
Use of accurate spelling	Use of Accurate Spelling	
<b>Conventions: Control of the Rules of the English Language (sentence, paragraph, format)</b>	<b>Sentences, Paragraphs, Format</b>	<b>Sentences, Para, Format</b>
Sentence structure	Sentence Structure	
Paragraph structure	Paragraph Structure	
Appropriate form/format requirements	Appropriate Form, Format Requirements	