

Measures of Academic Progress (MAP) South Carolina State-Aligned Version 5

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.

Mathematics 2-5 Goal Structure	Mathematics 2-5 DesCartes	Mathematics 2-5 Report Names
Number and Operations: The student will demonstrate through the mathematical processes an understanding of the place value system; the relationships among whole numbers, fractions, and decimals; the addition, subtraction, multiplication, and division of whole numbers; and the addition and subtraction of decimals and fractions.*	Number and Operations	Number and Operations
Number: Whole Numbers, Decimals, and Fraction	Number	
Operations: Add and Subtract Whole Numbers, Decimals, and Fractions	Operations: Add and Subtract	
Operations: Multiply and Divide Whole Numbers	Operations: Multiply and Divide	
Algebra: The student will demonstrate through the mathematical processes an understanding of the use of patterns, relations, functions, models, structures, and algebraic symbols to represent quantitative relationships; the application of procedures to find the value of an unknown; and will analyze change in various contexts.	Algebra	Algebra
Patterns, Relations, and Functions	Patterns, Relations, and Functions	
Symbols, Variables, and Expressions	Symbols, Variables, and Expressions	
Equations	Equations	

Geometry: The student will demonstrate through the mathematical processes an understanding of the relationship between two- and three-dimensional shapes, transformations, congruency, symmetry, spatial relationships, and the representation of location and movement within the first quadrant of a coordinate system.	Geometry	Geometry
Two- and Three-Dimensional Shapes	Two- and Three-Dimensional Shapes	
Spatial Reasoning and Coordinate Geometry	Spatial Reasoning and Coordinate Geometry	
Transformations, Congruency, and Symmetry	Transformations, Congruency, and Symmetry	
Measurement: The student will demonstrate through the mathematical processes an understanding of the value of combinations of coins and bills and the measurement of length, weight, time, temperature, liquid volume, perimeter of polygons, area of triangles, rectangles and parallelograms, volumes of rectangular prisms, the units and systems of measurement, and the application of tools and formulas to determine measurements.	Measurement	Measurement
Money, Length, Weight, Time, and Temperature	Money, Length, Weight, Time, and Temperature	
Angle Measure, Perimeter, and Area	Angle Measure, Perimeter, and Area	
Volume - Liquid and Solid	Volume - Liquid and Solid	
Data Analysis and Probability: The student will demonstrate through the mathematical processes an understanding of investigation design; the effect of data-collection methods on a data set; organizing, interpreting, analyzing and making predictions about data; the interpretation and application of the measures of central tendency; and the application of basic concepts of probability.	Data Analysis and Probability	Data Analysis and Probability
Organize, Interpret, Analyze, and Predict Using Data	Organize, Interpret, Analyze, and Predict Using Data	
Measures of Central Tendency and Range	Measures of Central Tendency and Range	
Probability	Probability	

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

Measures of Academic Progress (MAP) South Carolina State-Aligned Version 5

Mathematics 6+ Goal Structure	Mathematics 6+ DesCartes	Mathematics 6+ Report Names
Number and Operations: The student will demonstrate through the mathematical processes an understanding of the place value system; the relationships among rational and irrational numbers; the addition, subtraction, multiplication, and division of rational numbers; the use of exponential notation to represent whole numbers; the representation of rational numbers, percentages, and square roots of perfect squares; and the application of ratios, rates, and proportions to solve problems.	Number and Operations	Number and Operations
Number Sense for Rational and Irrational Numbers*	Number	
Operations: Add and Subtract Rational Numbers*	Operations: Add and Subtract	
Operations: Multiply and Divide Rational Numbers*	Operations: Multiply and Divide	
Ratio, Rates, Proportion, and Percent	Ratio, Rates, Proportion, and Percent	
Powers, Roots, and Absolute Value	Powers, Roots, and Absolute Value	
Algebra: The student will demonstrate through the mathematical processes an understanding of writing, interpreting, and using mathematical expressions, equations, inequalities, linear functions, and proportional relationships.	Algebra	Algebra
Patterns, Relations, and Functions	Patterns, Relations, and Functions	
Symbols, Variables, and Expressions	Symbols, Variables, and Expressions	
Equations and Inequalities	Equations and Inequalities	

Geometry: The student will demonstrate through the mathematical processes an understanding of shape, location, and movement within a coordinate system; congruency, similarity, complementary, and supplementary angles; the relationship between line and rotational symmetry; the Pythagorean theorem; the effect of transformations in a coordinate plane; and the use of geometric properties to make deductive arguments.	Geometry	Geometry
Two- and Three-Dimensional Shapes	Two- and Three-Dimensional Shapes	
Spatial Reasoning and Coordinate Geometry	Spatial Reasoning and Coordinate Geometry	
Transformations, Congruency, Symmetry, and Similarity	Transformations, Congruency, Symmetry, and Similarity	
Measurement: The student will demonstrate through the mathematical processes an understanding of the measurement of length, weight, time, temperature, liquid volume, perimeter, circumference, area, surface area, and volume; the units and systems of measurement; the application of tools and formulas to determine measurements; and the use of conversions within and between the U.S. Customary System and the metric system.	Measurement	Measurement
Money, Length, Weight, Time, and Temperature	Money, Length, Weight, Time, and Temperature	
Angle Measure, Perimeter, Circumference, and Area	Angle Measure, Perimeter, Circumference, and Area	
Volume and Surface Area	Volume and Surface Area	
Data Analysis and Probability: The student will demonstrate through the mathematical processes an understanding of the relationship between populations and samples; organizing, interpreting, analyzing and making predictions about data; the interpretation and application of the measures of central tendency and range; and the application of basic concepts of probability.	Data Analysis and Probability	Data Analysis and Probability



Organize, Interpret, Analyze, and Predict Using Data	Organize, Interpret, Analyze, and Predict Using Data	
Measures of Central Tendency and Range	Measures of Central Tendency and Range	
Probability	Probability	

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

Measures of Academic Progress (MAP) South Carolina State-Aligned Version 5

Reading Goal Structure	Reading DesCartes	Reading Report Names
Understanding and Using Literary Texts: The student will read and comprehend a variety of literary texts in print and nonprint formats.	Understanding and Using Literary Texts	Literary Text
Analyze a given literary text to make predictions and draw conclusions; make inferences	Predictions, Conclusions, Inferences	
Analyze a narrative text to determine who the narrator is; differentiate among the first-person, limited-omniscient (third person), and omniscient (third person) points of view; analyze a narrative text to identify characters, setting, and plot; analyze and evaluate the relationship among character, plot, and theme in a given literary text; analyze a given literary text to determine its theme	Point of View, Characters, Setting, Plot, Theme	
Exemplify, interpret, analyze, and evaluate devices of figurative language; understand, interpret, and analyze the effect of the author's craft on the meaning of literary texts	Devices of Figurative Language, Author's Craft	
Use relevant details in summarizing stories; analyze the details that support the expression of the main idea in a given literary text; compare/contrast main ideas within and across literary texts	Summarizing, Details, Main Idea	
Exemplify the characteristics of types of fiction and types of nonfiction; understand the characteristics of poetry and drama	Characteristics of Fiction, Nonfiction, Poetry	

Understanding and Using Informational Texts: The student will read and comprehend a variety of informational texts in print and nonprint formats.	Understanding and Using Informational Texts	Informational Text
Summarize evidence that supports the central idea of a given informational text; analyze central ideas within and across informational texts; compare/contrast central ideas within and across informational texts	Summarize Evidence That Supports the Central Idea	
Analyze informational texts to draw conclusions and make inferences; compare/contrast information within texts to draw conclusions and make inferences	Draw Conclusions and Make Inferences	
Understand cause-and-effect relationships presented in informational texts; analyze informational texts to identify cause-and-effect relationships; predict events in informational texts on the basis of cause-and-effect relationships	Understand Cause-and-Effect Relationships	
Exemplify facts in texts; understand the difference between facts and opinions; distinguish between facts and opinions in informational texts; analyze informational texts to locate and identify facts and opinions; analyze a given text to detect author bias by locating indicators such as unsupported opinions; exemplify the use of propaganda techniques in informational texts; analyze and evaluate informational texts to identify propaganda techniques	Facts and Opinions, Author Bias, Propaganda	
Understand that print styles provide information to the reader; interpret information that text elements such as print styles provide to the reader; analyze and evaluate the impact that text elements have on the meaning of a given informational text; understand and use graphic features as sources of information; interpret and analyze information from graphic features in informational texts; recognize, understand, and use functional text features	Text Elements, Graphic Features, Text Features	

Building Vocabulary: The student will use word analysis and vocabulary strategies to read fluently.	Building Vocabulary	Building Vocabulary
Use context clues to determine the meaning of unfamiliar words	Use Context Clues to Determine Meaning	
Construct and analyze meaning through a knowledge of base words, prefixes and suffixes in context; analyze the meaning of words by using knowledge of Greek and Latin roots and affixes; identify idioms in context; interpret the meaning of idioms encountered in texts; distinguish between the denotation and the connotation of a given word; interpret the connotations of words to understand the meaning of a given text	Base Word, Prefix, Suffix, Idiom, Connotation	
Phonemic Awareness and Phonics: Use structural analysis to determine the meaning of compound words and contractions; Use a knowledge of individual words to determine the meaning of compound words; apply a knowledge of alphabetizing a series of words to the first, second and third letters; create rhyming words; identify beginning, middle, and ending sounds in single-syllable words.	Phonemic Awareness and Phonics	
Recognize synonyms, antonyms, and homonyms in context; use context clues to determine the relationship between two or more words (including synonyms, antonyms, and homonyms)	Synonyms, Antonyms, and Homonyms	

Measures of Academic Progress (MAP) South Carolina State-Aligned Version 5

Language Usage Goal Structure	Language Usage DesCartes	Language Usage Report Names
Developing Written Communications: The student will create written work that has a clear focus, sufficient detail, and coherent organization	Focus, Detail, Organization	Focus, Detail, Organization
Use prewriting techniques	Use Prewriting Techniques	
Use complete sentences in a variety of types	Use Complete Sentences in a Variety of Types	
Create a paragraph that follows a logical sequence and uses transitional words; create multiple-paragraph compositions that include a central idea with supporting details and use appropriate transitions between paragraphs; create multiple-paragraph compositions that have an introduction and a conclusion, include a coherent thesis, and use support	Compositions: Central Idea, Details, Transitions	
Developing Written Communications: The student will create written work that has effective use of voice and correct use of the conventions of written Standard American English	Correct Use of Conventions	Correct Use of Conventions
Use the conventions of written Standard American English	Use Standard American English [Grammar]	
Use proofreading skills to edit for the correct use of written Standard American English (capitalization)	Use Proofreading Skills to Edit Capitalization	
Use proofreading skills to edit for the correct use of written Standard American English (punctuation)	Use Proofreading Skills to Edit Punctuation	
Use proofreading skills to edit for the correct use of written Standard American English (spelling)	Use Proofreading Skills to Edit Spelling	



Use revision strategies to improve word choice, clarity, and the organization and development of ideas in written works	Improve Word Choice, Clarity, Organization	
Producing Written Communications in a Variety of Forms and Researching: The student will write for a variety of purposes and audiences and the student will access and use information from a variety of sources	Variety of Forms/Researching	Forms, Research
Create informational pieces	Create Informational Pieces	
Create narratives	Create Narratives	
Create descriptions using precise language and vivid details; Create written pieces to entertain a specific audience	Create Descriptions: Precise Language, Details	
Create persuasive writings; produce clear and concise career-oriented/technical writings	Persuasive, Career/Technical Writings	
Researching: Generate a topic for inquiry; clarify and refine a research topic; use appropriate organizational strategies to prepare written works; create written works that are designed for a specific audience and purpose; use vocabulary (including Standard American English) that is appropriate for the particular audience or purpose; create a list of sources that contains information necessary to properly credit and document the work of others; use a standardized system of documentation	Researching: Topic, Organization, Sources	