

Measures of Academic Progress (MAP) Alabama State-Aligned Version 3

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*	Number and Operations	Number and Operations
Demonstrate number sense: represent, identify, model, place value, rounding with whole numbers, decimals, money, fractions, percents, and integers	Number Sense: Represent, Identify, Round	
Demonstrate number sense: compare, order, equivalent forms with whole numbers, decimals, money, fractions, percents	Number Sense: Compare, Order, Equivalent Forms	
Solve problems and demonstrating computational fluency: addition and subtraction with whole numbers, decimals, money, and fractions	Add, Subtract: Whole Numbers, Decimals, Fractions	
Solve problems and demonstrating computational fluency: multiplication and division with whole numbers	Multiplication and Division: Whole Numbers	
Solve problems and demonstrating computational fluency: divisibility and multiples	Divisibility and Multiples	
Estimate with whole numbers, decimals, money, and fractions	Estimating	

Algebra	Algebra	Algebra
Patterns and change	Patterns and Change	
Number sentences and properties	Number Sentences and Properties	
Geometry	Geometry	Geometry
Points, lines, planes, angles, polygons, circles	Points, Lines, Planes, Angles, Polygons, Circles	
Symmetry, transformations, the Cartesian plane	Symmetry, Transformations, Cartesian Plane	
Measurement	Measurement	Measurement
Length, weight, capacity, temperature, time	Length, Weight, Capacity, Temperature, Time	
Perimeter and area: irregular shapes and rectangles	Perimeter and Area	
Unit conversions within systems	Unit Conversions Within Systems	
Data Analysis and Probability	Data Analysis and Probability	Data Analysis and Probability
Data analysis: collect, organize, represent, analyze data	Data Analysis	
Probability: likelihood of events, using fractions to represent probability	Probability	

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

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Mathematics 6+ Goal Structure	Mathematics 6+ DesCartes	Mathematics 6+ Report Names
Number and Operations	Number and Operations	Number and Operations
Demonstrate number sense: represent, identify, model, place value, rounding through complex numbers*	Number Sense: Represent, Identify, Round	
Demonstrate number sense: compare, order, equivalent forms through complex numbers*	Number Sense: Compare, Order, Equivalent Forms	
Solving problems and demonstrating computational fluency: addition and subtraction including order of operations through complex numbers	Addition and Subtraction	
Solving problems and demonstrating computational fluency: multiplication and division including order of operations, scientific notation, exponents, radicals, and absolute value through complex numbers	Multiplication and Division	
Solving problems and demonstrating computational fluency: GCF, LCM, prime and composite numbers, proportional reasoning	GCF, LCM, Prime , Composite, Proportional Reasoning	
Estimating*	Estimating	
Algebra	Algebra	Algebra
Patterns, functions, and change	Patterns Functions, and Change	
Expressions, number sentences and properties	Expressions, Number Sentences, and Properties	
Geometry	Geometry	Geometry
Two-dimensional and three-dimensional figures	Two- and Three-Dimensional Figures	
Symmetry, transformations, the Cartesian plane	Symmetry, Transformations, Cartesian Plane	
Congruence, similarity, Pythagorean theorem, and trigonometry	Congruent, Similar, Pythagorean Theorem, Trig	
Measurement	Measurement	Measurement



Length, weight, capacity, temperature, time, angles	Length, Weight, Capacity, Temperature, Time, Angle	
Perimeter, circumference, area, surface area, volume	Perimeter, Circumference, Area, SA, and Volume	
Unit conversions within and between systems, rate and scale	Unit Conversions, Rate, and Scale	
Data analysis and Probability	Data Analysis and Probability	Data Analysis and Probability
Data analysis: collect, organize, represent, analyze data	Data Analysis	
Probability	Probability	

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Reading Goal Structure	Reading DesCartes	Reading Report Names
Reading: Phonological, Phonetic, and Vocabulary Skills	Reading: Phonologic, Phonetic, Vocabulary Skills	Phonics, Vocabulary
Demonstrate phonological skills; Apply phonetic strategies to decode unfamiliar and multisyllable words using graphophonemic clues and letter-sound correspondences; Apply advanced phonetic analysis to multiple-syllable words	Phonological Skills, Phonetic Strategies	
Demonstrate reading vocabulary knowledge: Sorting Words into Categories, Synonyms, Antonyms, and Homonyms	Vocabulary: Synonyms, Antonyms, Homonyms	
Demonstrate reading vocabulary knowledge: Compound Words, Contractions, Prefixes, Suffixes, and Root Words	Vocabulary: Compound, Contraction, Affixes, Roots	
Demonstrate reading vocabulary knowledge: Deriving word meaning from context	Vocabulary: Deriving Word Meaning From Context	
Reading: Use a wide range of strategies to comprehend recreational reading materials in a variety of genres	Reading: Comprehend Recreational Reading	Recreational Reading
Recalling information, answering questions and determining sequence of events	Recall Information, Answer Questions, Sequence	
Making predictions and inferences, drawing conclusions, making generalizations, summarizing, and comparing and contrasting	Predict, Infer, Conclude, Summarize, Compare	
Stating main ideas and identifying supporting details	State Main Ideas and Identify Supporting Details	

Reading and Literature: Identify and analyze literary elements and devices and identify and analyze various forms of narrative texts for distinguishing characteristics	Reading and Literature: Elements, Devices, Forms	Elements, Devices
Reading: Identify and analyze literary elements and organizational structure	Reading: Literary Elements and Structure	
Reading: Identify and analyze literary devices	Reading: Identify and Analyze Literary Devices	
Reading: Identify author's purpose and recognizing persuasive techniques	Reading: Author's Purpose, Persuasive Techniques	
Literature: identify and analyze various forms of narrative texts for distinguishing characteristics	Literature: Forms of Narrative Text	
Reading: Use a wide range of strategies and skills to comprehend informational and functional reading materials	Reading: Comprehend Informational Reading	Informational Reading
Following written directions and determining or ordering sequence of steps, events, or information	Following Directions and Determining Sequence	
Using previewing and predicting skills to determine content, drawing conclusions, making generalizations, summarizing passages, and comparing and contrasting	Predict, Conclude, Generalize, Summarize, Compare	
Determining main idea and supporting details, using text features to gain meaning, interpreting the author's purpose or intent, identifying organizational structure	Main Idea, Details, Text Features, Structure	
Distinguishing fact from opinion	Distinguishing Fact From Opinion	
Determining cause and effect	Determining Cause and Effect	
Recognize fallacious or illogical thought, recognizing persuasive techniques, detecting obvious bias, and recognizing propaganda	Fallacies, Persuasion, Bias, Propaganda	

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Language Usage Goal Structure	Language Usage DesCartes	Language Usage Report Names
Writing and Language: Write in Narrative, Descriptive, Expository, Persuasive, and Business Modes/Research and Inquiry	Writing and Language: Writing Modes/Research	Writing Modes/Research
Write in Narrative and Descriptive Modes	Write in Narrative and Descriptive Modes	
Using Sensory Details, Vivid/Figurative Language	Using Sensory Details, Vivid/Figurative Language	
Write in Expository, Persuasive, and Business Modes	Write in Expository, Persuasive, Business Modes	
Research and Inquiry	Research and Inquiry	
Writing and Language: Demonstrating the Process of Prewriting, Drafting, Revising, and Editing	Writing and Language: Demonstrating the Process	Writing Process
Prewriting and Drafting	Prewriting and Drafting	
Revising	Revising	
Editing and Demonstrating Correct Spelling	Editing and Demonstrating Correct Spelling	
Writing and Language: Demonstrating Clarity and Organization of Paragraphs and Sentence Structure	Writing and Language: Paragraphs, Sentences	Paragraphs, Sentences
Paragraphs: Main Idea, Details, Transitions	Paragraphs: Main Idea, Details, Transitions	
Paragraphs: Sequencing and Organization	Paragraphs: Sequencing and Organization	
Sentence Structure	Sentence Structure	
Variety of Sentence Patterns	Variety of Sentence Patterns	
Writing and Language: Apply Mechanics in Writing	Writing and Language: Apply Mechanics in Writing	Apply Mechanics
Punctuation	Punctuation	
Capitalization	Capitalization	



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Writing and Language: Apply Grammar Conventions	Writing and Language: Apply Grammar Conventions	Apply Grammar
Grammar	Grammar	
Usage	Usage	