Measures of Academic Progress (MAP) South Dakota State-Aligned Version 4

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
Algebra: Students will use the language of algebra to explore, describe, represent, and analyze number expressions and relations that represent variable quantities	**Algebra**	**Algebra**
Use procedures to transform algebraic expressions	Algebraic Expressions	
Interpret and develop mathematical models; use a variety of algebraic concepts and methods to solve equations and inequalities	Mathematical Models, Equations and Inequalities	
Describe and use properties and behaviors of relations, functions and inverses	Relations, Functions and Inverses	
Geometry: Students will use the language of geometry to discover, analyze, and communicate geometric concepts, properties, and relationships	**Geometry**	**Geometry**
Use deductive and inductive reasoning to recognize and apply properties of geometric figures	Recognize and Apply Prop of Geometric Figures	
Use properties of geometric figures to solve problems from a variety of perspectives	Use Prop of Geometric Figures to Solve Problems	

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Measurement: Students will apply systems of measurement and use appropriate measurement tools to describe and analyze the world around them	**Measurement**	**Measurement**
Apply measurement concepts in practical applications: time, temperature, money	Apply Time, Temperature, Money	
Apply measurement concepts in practical applications: length, weight, capacity, area	Apply Length, Weight, Capacity, Area	
Number Sense: Students will develop and use number sense to investigate the characteristics of numbers in a variety of forms and modes of operation *	**Number Sense**	**Number Sense**
Analyze the structural characteristics of the real number system and its various subsystems	Structure of the Real Number System	
Analyze the concept of value, magnitude, and relative magnitude of real numbers	Value, Magnitude, Relative Magnitude	
Apply number operations with real numbers and other number systems: addition and subtraction	Number Operations: Add, Subtract	
Apply number operations with real numbers and other number systems: multiplication and division	Number Operations: Multiply, Divide	
Develop conjectures, predictions, or estimations to solve problems and verify or justify the results	Conjectures, Predictions, Estimations	
Statistics and Probability: Students will apply statistical methods to analyze data and explore probability for making decisions and predictions	**Statistics and Probability**	**Statistics and Probability**
Use statistical models to gather, analyze, and display data to draw conclusions	Statistical Models	
Apply the concepts of probability to predict events/outcomes and solve problems	Concepts of 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
Algebra: Students will use the language of algebra to explore, describe, represent, and analyze number expressions and relations that represent variable quantities	**Algebra**	**Algebra**
Use procedures to transform algebraic expressions	Algebraic Expressions	
Interpret and develop mathematical models; use a variety of algebraic concepts and methods to solve equations and inequalities	Mathematical Models, Equations and Inequalities	
Describe and use properties and behaviors of relations, functions and inverses	Relations, Functions and Inverses	
Geometry: Students will use the language of geometry to discover, analyze, and communicate geometric concepts, properties, and relationships	**Geometry**	**Geometry**
Use deductive and inductive reasoning to recognize and apply properties of geometric figures	Recognize and Apply Prop of Geometric Figures	
Use properties of geometric figures to solve problems from a variety of perspectives	Use Prop of Geometric Figures to Solve Problems	
Measurement: Students will apply systems of measurement and use appropriate measurement tools to describe and analyze the world around them	**Measurement**	**Measurement**
Apply measurement concepts in practical applications: time, temperature, money	Apply: Time, Temperature, Money	
Apply measurement concepts in practical applications: length, weight, capacity, area	Apply: Length, Weight, Capacity, Angles, Rate	
Apply measurement concepts in practical applications: perimeter, area, surface area, volume	Apply: Perimeter, Area, Surface Area, Volume	

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Number Sense: Students will develop and use number sense to investigate the characteristics of numbers in a variety of forms and modes of operation*	**Number Sense**	**Number Sense**
Analyze the structural characteristics of the real number system and its various subsystems	Structure of the Real Number System	
Analyze the concept of value, magnitude, and relative magnitude of real numbers	Value, Magnitude, Relative Magnitude	
Apply number operations with real numbers and other number systems: addition and subtraction	Number Operations: Add, Subtract	
Apply number operations with real numbers and other number systems: multiplication and division, powers and roots	Number Operations: Mult, Divide, Powers, Roots	
Develop conjectures, predictions, or estimations to solve problems and verify or justify the results	Conjectures, Predictions, Estimations	
Statistics and Probability: Students will apply statistical methods to analyze data and explore probability for making decisions and predictions	**Statistics and Probability**	**Statistics and Probability**
Use statistical models to gather, analyze, and display data to draw conclusions	Statistical Models	
Apply the concepts of probability to predict events/outcomes and solve problems	Concepts of Probability	

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Reading Goal Structure	Reading DesCartes	Reading Report Names
Students can recognize and analyze words	**Recognize and Analyze Words**	**Recognize, Analyze Words**
Students can decode words using short vowel sounds; students can decode to read and recognize words; students can decode using word recognition skills; students can read simple contractions and identify the two words which are combined in text	Decode to Read and Recognize Words	
Students can identify meanings of unfamiliar vocabulary; students can construct and expand word meaning by using word parts and categories; students can analyze word parts to determine meaning and context	Word Parts and Categories	
Students can determine word meaning using prior knowledge and context clues; students can utilize context to comprehend words with multiple meanings; students can infer how word choice affects meaning; students can apply contextual knowledge of word origins to extend vocabulary	Context Clues, Multiple Meanings	
Students can comprehend and fluently read text	**Comprehend Text**	**Comprehend Text**
Students can comprehend text by applying reading strategies; students can utilize direct and implied meaning to comprehend text; students can interpret, analyze, evaluate text using and applying comprehension strategies [Predict, Infer, Conclude]	Strategies [Predict, Infer, Conclude]	

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Students can comprehend text by applying reading strategies; students can utilize direct and implied meaning to comprehend text; students can interpret, analyze, evaluate text using and applying comprehension strategies [Locate, Summarize, Synthesize, Main Ideas, Details]	Strategies [Locate, Summarize, Main Ideas]	
Students can comprehend text by applying reading strategies; students can utilize direct and implied meaning to comprehend text; students can interpret, analyze, evaluate text using and applying comprehension strategies [Sequence Events, Compare/Contrast, Cause/Effect, Classify/Categorize]	Strategies [Sequence, Compare, Cause/Effect]	
Students can apply knowledge of text structures, literary devices, and literary elements to develop interpretations and form responses	**Literary Text Structures, Devices, and Elements**	**Literary Texts**
Students can identify the literary elements of character, setting, plot, and theme in literature; students can interpret literary elements of character, setting, plot, theme, point of view, and mood; students can identify how authors use literary elements to create meaning; students can examine the author's use of literary elements in fiction, nonfiction, and poetry	Literary Elements	
Students can determine how word choice affects meaning; students can identify literary devices within text; students can identify how authors use literary devices to create meaning; students can analyze an author's style; students can analyze and explain literary devices within text	Literary Devices	

Students can identify the difference between genres including fiction, nonfiction, and poetry; students can compare and contrast different genres; students can distinguish literary genres based on characteristics, structures, and patterns; students can examine text structures for characteristics of fiction, nonfiction, drama, and poetry; students can identify, explain, and use text features; students can identify, explain, and use text features	Literary Text Structures and Features	
Students can access, analyze, synthesize, and evaluate informational texts	**Access, Analyze, and Evaluate Informational Texts**	**Informational Texts**
Students can apply alphabetical order; students can choose reference materials to locate information; students can identify and utilize text features to comprehend informational text; students can determine and utilize organizational features of text; students can interpret procedural text to complete a multiple-step task	Informational Text: Text Features, Organization	
Students can identify the author's purpose in argumentative and persuasive text; students can evaluate the credibility of informational texts; students can analyze the author's purpose in text; students can recognize logical fallacies in sources	Informational Text: Author's Purpose, Credibility	

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Language Usage Goal Structure	Language Usage DesCartes	Language Usage Report Names
Students can apply the writing process to compose text	**Students Apply Writing Process**	**Students Apply Writing Process**
Students can write a simple sentence, questions, statements, commands, and exclamations; create sentences using words that describe, explain, or provide additional details and connections; write and identify three related sentences; compose paragraph using a topic sentence, supporting details, and a conclusion	Write Sentences; Compose Paragraphs	
Students can compose narrative, descriptive, expository, and persuasive text of one paragraph, three paragraphs, and five paragraphs; write a thesis statement for an expository or persuasive document	Compose Narrative, Expository, and Persuasive Text	
Students can write and identify purpose and audience in writing: friendly letter, thank you notes, and invitations, select language and style, organizational patterns problem/solution, cause/effect, comparison/contrast, and correspondence for workplace or academic settings	Identify Purpose Audience; Organizational Patterns	
Students can revise the organization in narrative and descriptive writing; revise word choice, ideas and content, sentence fluency, ideas, organization, diction, fluency, voice, and presentation in a document	Revise Writing	

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Students can summarize and paraphrase information from references to compose text, use information from multiple sources to support a topic; write a research document that cites sources to support a thesis	Summarize, Information; Use Sources; Research	
Students can apply Standard English conventions in their writing [Apply Mechanics; Capitalization, Punctuation, Spelling]	**Mechanics; Capitalization, Punctuation, Spelling**	**Apply Mechanics**
Students can write a simple sentence using a capital letter, punctuate and capitalize text, periods, question marks, dialogue, proper names, days of the week, months of the year, geographical names, holidays, special events, titles of books and stories, and titles of people, names of magazines, newspapers, works of art, musical compositions, organizations, and the first word in quotations	Use Capitalization and End Marks	
Students can use commas in the greeting and closing of a friendly letter, dates, city and state, and items in a series; edit text for the correct use of quotation marks, italics for quoted materials, titles, emphasized words, dialogue, semicolons and colons, parentheses, dashes, hyphens, and ellipses	Use Commas; Other Punctuation	
Students can correctly spell three- and four-letter words and high frequency words; spell high frequency as well as words with phonetic elements	Spell High Frequency and Phonetic Words	
Students can apply Standard English conventions in their writing [Structures & Grammar]	**Students Apply Structures & Grammar**	**Apply Structure and Grammar**
Students can identify and incorporate interjections, nouns, verbs, pronouns, adjectives, adverbs, prepositional phrases, conjunctions in the writing process [Conventions: Grammar]	Conventions: Grammar	

Students can edit text for subject-verb agreement, verb tense agreement, run-on sentences and fragments, correct use of pronouns, pronoun case, independent, subordinate clauses, edit a document for all conventions; revise and edit text for the correct use of phrases, active voice, verbals and verbal phrases [Conventions: Sentence Structure & Agreement]	Conventions: Sentence Structure & Agreement	