

Measures of Academic Progress (MAP) Wisconsin 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.

Mathematics 2-5 Goal Structure	Mathematics 2-5 DesCartes	Mathematics 2-5 Report Names
Mathematical Process, Number Operations, and Relationships	Mathematical Process, Operations, Relationships	Process and Number
Mathematical process: reasoning, communication, connections, representation, problem solving	Mathematical Process	
Number concepts: recognize and apply place value concepts of whole numbers*	Number Concepts: Place Value in Whole Numbers	
Number concepts: read, write, and represent whole numbers and fractions*	Number Concepts: Read, Write, Represent	
Number concepts: compare and order whole numbers and fractions*	Number Concepts: Compare and Order	
Number concepts: count whole numbers and identify and use number theory concepts*	Number Concepts: Count and Number Theory Concepts	
Number concepts: money*	Number Concepts: Money	
Number computation: addition and subtraction of whole numbers, money, and fractions*	Number Computation: Addition and Subtraction	
Number computation: multiplication and division of whole numbers*	Number Computation: Multiplication and Division	



Number computation: estimate and determine reasonableness of answers*	Number Computation: Estimate and Reasonableness	
Geometry	Geometry	Geometry
Describing figures	Describing Figures	
Spatial relationships and transformations	Spatial Relationships and Transformations	
Coordinate systems	Coordinate Systems	
Measurement	Measurement	Measurement
Measurable attributes	Measurable Attributes	
Direct measurement	Direct Measurement	
Indirect measurement	Indirect Measurement	
Statistics and Probability	Statistics and Probability	Statistics and Probability
Data analysis and statistics	Data Analysis and Statistics	
Probability	Probability	
Algebraic Relationships	Algebraic Relationships	Algebraic Relationships
Patterns, relations, and functions	Patterns, Relations, and Functions	
Expressions, equations, and inequalities	Expressions, Equations, and Inequalities	
Properties	Properties	

*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
Mathematical Process, Number Operations, and Relationships	Mathematical Process, Operations, Relationships	Process and Number
Mathematical process: reasoning, communication, connections, representation, problem solving	Mathematical Process	
Number concepts: recognize and apply place value concepts of real numbers	Number Concepts: Place Value in Real Numbers	
Number concepts: read, write, and represent real numbers	Number Concepts: Read, Write, Represent	
Number concepts: compare and order real numbers	Number Concepts: Compare and Order Real Numbers	
Number concepts: count whole numbers and identify and use number theory concepts	Number Concepts: Count and Number Theory Concepts	
Number concepts: money, percent, and proportional reasoning	Number Concepts: Money, Percent, Proportions	
Number computation: addition and subtraction of real numbers	Number Computation: Addition and Subtraction	
Number computation: multiplication and division of real numbers	Number Computation: Multiplication and Division	
Number computation: estimate and determine reasonableness of answers	Number Computation: Estimate and Reasonableness	
Geometry	Geometry	Geometry
Describing figures	Describing Figures	
Spatial relationships and transformations	Spatial Relationships and Transformations	
Coordinate systems	Coordinate Systems	
Measurement	Measurement	Measurement
Measurable attributes	Measurable Attributes	

Direct measurement	Direct Measurement	
Indirect measurement	Indirect Measurement	
Statistics and Probability	Statistics and Probability	Statistics and Probability
Data analysis and statistics	Data Analysis and Statistics	
Probability	Probability	
Algebraic Relationships	Algebraic Relationships	Algebraic Relationships
Patterns, relations, and functions	Patterns, Relations, and Functions	
Expressions, equations, and inequalities	Expressions, Equations, and Inequalities	
Properties	Properties	

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Reading Goal Structure	Reading DesCartes	Reading Report Names
Determine the Meaning of Words and Phrases in Context	Determine Meaning of Words, Phrases in Context	Word Meaning, Context
<p>Use context clues to determine the meaning of words and phrases: categorize words to demonstrate understanding of word meaning; use context clues to determine the meaning of unfamiliar words; understand the meaning of words and phrases used figuratively; use context clues to determine the meaning of multiple-meaning words; use knowledge of synonyms and antonyms to determine the meaning of words; identify analogies to demonstrate understanding of word meaning; understand connotative and denotative meaning of words; demonstrate phonemic awareness by using letter/sound relationships as aids to pronouncing and understanding unfamiliar words and text</p>	Use Context Clues to Determine Meaning	
<p>Use knowledge of word structure to determine the meaning of words and phrases; use reference materials to determine the meaning of words and phrases: identify the meaning of contractions; use knowledge of compound words to determine the meaning of a word; identify how adding an affix changes the meaning of a word; identify the meaning of a word with an affix; use knowledge of root words to determine the meaning of a word; identify and use parts of a book related to word meaning; use primary dictionary guide words to locate definitions; use an entry from a word reference to determine word meaning and pronunciation</p>	Use Knowledge of Word Structure	

Understand Text	Understand Text	Understand Text
Demonstrate understanding of literal meaning by identifying stated information in literary text: identify stated information about story elements	Understanding of Literal Meaning: Literary	
Demonstrate understanding of literal meaning by identifying stated information in informational text: determine where information can be found in a text; identify stated information about main ideas and supporting details; identify stated information provided through text features	Understanding of Literal Meaning: Informational	
Demonstrate understanding of explicitly stated sequence of events in literary and informational text: identify beginning, middle, and end events; identify first, next, and last events; identify first, next, and last events; follow steps in a process	Understanding of Sequence of Events	
Analyze Text	Analyze Text	Analyze Text
Analyze literary text: make inferences about story elements; summarize important ideas and events; analyze stated or implied theme, message, or main idea; make inferences based on text features or visuals	Analyze Literary Text	
Analyze informational text: identify implied main ideas and supporting details; identify implied relationships (such as cause/effect and compare/contrast); summarize information; make inferences based on text features; make inferences based on visual information; make inferences about text structure	Analyze Informational Text	
Analyze author's use of language in literary and informational text: analyze the use of literary devices; recognize and distinguish among genres; make inferences about the author's tone; make inferences about the author's style	Analyze Author's Use of Language	

Evaluate and Extend Text	Evaluate and Extend Text	Evaluate and Extend Text
Evaluate and extend literary text: make connections to text; make predictions; identify and evaluate the author's purpose, point of view, and effectiveness; draw conclusions	Evaluate and Extend Literary Text	
Evaluate and extend informational text: make connections to text; make predictions; identify and evaluate the author's purpose, point of view, and effectiveness; distinguish between facts and opinions; evaluate the accuracy, currency, and credibility of information; draw conclusions	Evaluate and Extend Informational Text	
Evaluate and extend the author's use of language in literary and informational text: recognize bias and propaganda in language	Evaluate and Extend Author's Use of Language	

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Language Usage Goal Structure	Language Usage DesCartes	Language Usage Report Names
<p>Students in Wisconsin will write clearly and effectively to share information and knowledge, to influence and persuade, to create and entertain; create or produce writing to communicate with different audiences for a variety of purposes; write nonfiction and creative pieces [Forms]</p>	<p>Write Nonfiction and Creative Pieces [Forms]</p>	<p>Write Nonfict, Creative Forms</p>
<p>Write nonfiction and technical pieces: write nonfiction and technical pieces (summaries, messages, informational essays, basic directions, instructions, simple reports) that convey essential details and facts and provide accurate representations of events and sequences; prepare and publish technical writing such as memos, applications, letters, reports and resumes for various audiences, attending to details of layout and format as appropriate to purpose</p>	<p>Write Nonfiction and Technical Pieces</p>	

<p>Write expressive pieces: write expressive pieces in response to reading, viewing, and life experiences (narratives, reflections, and letters) employing descriptive detail and a personal voice; write a coherent and complete expository piece, with sufficient detail to fulfill its purpose, sufficient evidence to support its assertions, language appropriate for its intended audience, and organization achieved through clear coordination and subordination of ideas; compose and publish analytic and reflective writing that conveys knowledge, experience, insights, and opinions to an intended audience; write summaries of complex information (such as information in a lengthy text or a sequence of events), expand or reduce the summaries by adding or deleting detail, and integrate appropriately summarized information into reviews, reports, or essays, with correct citations</p>	<p>Write Expressive Pieces</p>	
<p>Write persuasive pieces: write a persuasive piece (such as a letter to a specific person or a script promoting a particular product) that includes a clear position, a discernible tone, and a coherent argument with reliable evidence; write a coherent argument that takes a position, accurately summarizes an opposing position, refutes that position, and cites persuasive evidence</p>	<p>Write a Persuasive Piece</p>	

<p>Write creative pieces: write creative pieces (poetry, fiction, and plays) employing basic aesthetic principles appropriate to each genre; write creative fiction that includes major and minor characters, a coherent plot, effective imagery, descriptive language, and concrete detail; write creative fiction that includes an authentic setting, discernible tone, coherent plot, distinct characters, effective detail, believable dialogue, and reasonable resolution of conflict; write a narrative based on experience that uses descriptive language and detail effectively, presents a sequence of events, and reveals a theme; write autobiographical and biographical narratives in a mature style characterized by suitable vocabulary, descriptive detail, effective syntax, an appropriate voice, a variety of sentence structures, clear coordination and subordination of ideas, and rhetorical devices that help establish tone and reinforce meaning</p>	<p>Write Creative Pieces</p>	
<p>Students in Wisconsin will write clearly and effectively to share information and knowledge, to influence and persuade, to create and entertain; create or produce writing to communicate with different audiences for a variety of purposes; write, plan, revise, edit, produce</p>	<p>Write, Plan, Revise, Edit, Produce</p>	<p>Write, Plan, Revise, Edit</p>
<p>Write for a variety of readers: write for a variety of readers, including peers, teachers, and other adults, adapting content, style, and structure to audience and situation</p>	<p>Write for a Variety of Readers</p>	
<p>Plan and revise clear and effective writing</p>	<p>Plan and Revise Clear and Effective Writing</p>	

<p>Edit and publish, produce multiple drafts: edit and publish clear and effective writing and produce multiple drafts; produce multiple drafts including finished pieces, that demonstrate the capacity to generate, focus, and organize ideas and to revise the language, organization, and content of successive drafts in order to fulfill a specific purpose for communicating with a specific audience; develop a composition through a series of drafts, using a revision strategy based on purpose and audience</p>	<p>Edit and Publish, Produce Multiple Drafts</p>	
<p>Students in Wisconsin will write clearly and effectively to share information and knowledge, to influence and persuade, to create and entertain; create or produce writing to communicate with different audiences for a variety of purposes; sentences, paragraph forms; parts of speech; conventions</p>	<p>Sen, Paragraph Forms; Parts of Speech; Conventions</p>	<p>Sen, Para, Conventions</p>
<p>Understand the function of various forms: understand the function of various forms, structures, and punctuation marks of standard american english and use them appropriately in communications</p>	<p>Understand the Function of Various Forms</p>	
<p>Understand and use parts of speech: understand and use parts of speech effectively, including nouns, pronouns, and adjectives; use adverbials effectively, including words and phrases; understand the form and function of words, phrases, and clauses, including inter-related clauses in complex sentences, and use them effectively; employ principles of agreement related to number, gender, and case; understand and employ principles of agreement, including subject-verb, pronoun-noun, and preposition-pronoun; employ principles of agreement, including subject-verb, pronoun-noun, and preposition-pronoun; use correct tenses to indicate the relative order of events; use correct tenses, including conditionals, to indicate the relative order and relationship of events</p>	<p>Understand and Use Parts of Speech</p>	

Employ the conventions of capitalization: capitalize proper nouns, titles, and initial words of sentences; employ the conventions of capitalization	Employ the Conventions of Capitalization	
Use punctuation marks: use punctuation marks and conjunctions, as appropriate, to separate sentences and connect independent clauses; punctuate compound, complex, and compound-complex sentences correctly; punctuate compound, complex, and compound-complex sentences correctly, including appropriate use of dialogue, citations, colons, hyphens, dashes, ellipses, and italics; use word order and punctuation marks to distinguish statements, questions, exclamations, and commands; use commas correctly to punctuate appositives and lists	Use Punctuation Marks	
Language: Students in Wisconsin will apply their knowledge of the nature, grammar, and variations of American English; develop their vocabulary of words, phrases, and idioms as a means of improving communication	Language	Language
Choose among synonyms, spell words correctly: consult dictionaries, thesauruses, and other resources to find and compare definitions, choose among synonyms, and spell words correctly; examine the origin, history, denotation, connotation, and usage of English words and phrases by consulting dictionaries, thesauruses, handbooks, and other sources of information about the language; use their knowledge of roots, prefixes, and suffixes to interpret and convey the meaning of words	Choose Among Synonyms, Spell Words Correctly	

<p>Evaluate language: evaluate the effects of different types of language, such as literary and technical, formal and informal, in communications designed to narrate, inform, explain, persuade, and entertain; identify common figures of speech and use them appropriately; explain how writers and speakers choose words and use figurative language such as similes, metaphors, personification, hyperbole, and allusion to achieve specific effects; choose words purposefully and evaluate the use of words in communications designed to inform, explain, and persuade</p>	<p>Evaluate Language</p>	
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