

Measures of Academic Progress (MAP) Wisconsin State-Aligned Version 1

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.

Concepts and Processes Goal Structure	Concepts and Processes DesCartes	Concepts and Processes Report Names
Nature of Science, Science Connections, Technology, Personal and Social Perspectives	Nature of Science, Connections	Nature of Sci, Connections
Systems, order, organization, and interactions; form and function	System, Order, Organization, Interactions; Form	
Evidence, models and explanations	Evidence, Models and Explanations	
Evolution, equilibrium and energy	Evolution, Equilibrium and Energy	
Nature of science	Nature of Science	
Relationship between science and technology; personal and social issues	Science and Technology; Personal-Social Issues	
Science Inquiry	Science Inquiry	Science Inquiry
Ask questions	Ask Questions	
Build hypotheses	Build Hypotheses	
Design investigations; use equipment safely and effectively	Design Investigations; Use Equipment Safely	

Organize and process data	Organize and Process Data	
Make inferences, support and evaluate conclusions	Make Inferences, Support, Evaluate Conclusions	
Communicate results using charts, graphs, drawing and written descriptions	Communicate Results	

Measures of Academic Progress (MAP) Wisconsin State-Aligned Version 1

General Science Goal Structure	General Science DesCartes	General Science Report Names
Physical Science	Physical Science	Physical Science
Structure, properties and changes of matter	Structure, Properties and Changes of Matter	
Position and motion of objects, motion and forces	Position, Motion of Objects, Motion and Forces	
Energy: forms, transfer, conservation, disorder and interaction with matter	Energy Forms, Transfer, Conservation, Interact	
Earth and Space Science	Earth and Space Science	Earth and Space Science
Structure and interactions in the Earth system	Structure and Interactions in the Earth System	
Structure and interactions and changes in the sky and solar system, and universe	Structure, Interactions in Sky, Solar Sys, Universe	
Life and Environmental Science	Life and Environmental Science	Life and Environ Science
Characteristics and structure-function of living things	Characteristics and Structure-Function	
Life cycles, reproduction and heredity	Life Cycles, Reproduction and Heredity	
Interactions of living things and the environment; biological evolution	Interactions with Environment; Biological Evolution	