

Measures of Academic Progress (MAP) Nebraska 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
Unifying Concepts, Nature of Science, Science and Technology	Unifying Concepts, Nature of Science, Technology	Unifying Concepts
Systems, order and organization; form-function	Systems, Order and Organization; Form-Function	
Evidence, models and explanation	Evidence, Models and Explanation	
Change-constancy; measurement; change over time	Change, Constancy; Measurement; Change over Time	
Technological design; science and technology in society	Tech Design; Science and Technology in Society	
Science as a human endeavor; nature of science	Science as a Human Endeavor; Nature of Science	
Science as Inquiry	Science as Inquiry	Science as Inquiry
Ask questions	Ask Questions	
Plan investigations	Plan Investigations	
Make predictions	Make Predictions	
Gather data, observe	Gather Data, Observe	



Northwest Evaluation Association
Partnering to help all kids learn

Interpret data	Interpret Data	
Use data to develop reasonable explanations	Use Data to Develop Reasonable Explanations	
Communicate procedures and results	Communicate Procedures and Results	

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

General Science Goal Structure	General Science DesCartes	General Science Report Names
Physical Science	Physical Science	Physical Science
Properties of matter	Properties of Matter	
Motion and forces	Motion and Forces	
Energy: forms and interactions with matter	Energy: Forms and Interactions with Matter	
Life Science	Life Science	Life Science
Structure and function in living systems; the cell	Structure, Function in Living Systems; the Cell	
Life cycles, reproduction and heredity	Life Cycles, Reproduction and Heredity	
Diversity and evolution	Diversity and Evolution	
Interactions with the environment; populations and ecosystems; personal and social perspectives	Interactions; Personal and Social Perspectives	
Earth and Space Science	Earth and Space Science	Earth and Space Science
Structure, characteristics, and cycles of the earth system	Structure, Characteristics, Cycles of Earth	
Objects in the sky; earth in the solar system; energy in the earth system	Objects in Sky, Solar Sys, Energy in Earth Sys	
Origin and changes of the earth and universe	Origin and Changes of the Earth and Universe	



Northwest Evaluation Association
Partnering to help all kids learn