

Measures of Academic Progress (MAP) New Mexico 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
Scientific Thinking and Practice: Use scientific methods to develop questions, make predictions, design and conduct experiments using appropriate technologies	Question, Design	Question, Design
Develop questions	Develop Questions	
Develop testable hypotheses	Develop Testable Hypotheses	
Design investigations including methods, controls and variables	Design Investigations: Methods, Controls, Variables	
Collect data; use measurement techniques	Collect Data; Use Measurement Techniques	
Scientific Thinking and Practice: Use scientific methods and mathematical concepts to analyze and evaluate results, and communicate findings	Analyze, Communicate	Analyze, Communicate
Use models and mathematics to interpret and analyze data	Use Models, Mathematics to Interpret, Analyze Data	
Communicate findings	Communicate Findings	



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Scientific Thinking and Practice: Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge; science and society	Inquiry Science Knowledge; Science, Society	Knowledge, Society
How scientific inquiry results in scientific knowledge	How Scientific Inquiry Results in Sci Knowledge	
Science and society	Science and Society	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Physical Science: Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy	Physical Science	Physical Science
Forms, properties, interactions of matter	Forms, Properties, Interactions of Matter	
Energy: interactions, conservation	Energy: Interactions, Conservation	
Forces produce motion in objects	Forces Produce Motion in Objects	
Life Science: Understand the properties, structures, and processes of living things and the interdependence of living things and their environments	Life Science	Life Science
Diversity of life; relationships between living things and their environments	Diversity of Life; Relationships with Environment	
Traits are passed from one generation to the next; species evolve	Traits Passed One Generation to Next; Species Evolve	
Structure of organisms; function of cells in living systems	Structure of Organisms; Function of Cells	
Earth and Space Science: Understand the structure of earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of earth's systems	Earth and Space Science	Earth and Space Science
Solar system and universe: structure, behavior, interconnections	Solar Sys, Universe: Structure, Behavior, Interconnect	
Earth: structure, shaping of systems by energy, matter and forces	Earth: Structure, Shape of System by Energy, Matter, Force	

