

Measures of Academic Progress (MAP) AERO-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.

Concepts and Processes Goal Structure	Concepts and Processes DesCartes	Concepts and Processes Report Names
Scientific Inquiry: Process	Scientific Inquiry: Process	Scientific Inq.: Process
Students will demonstrate their understanding of the importance of curiosity, honesty, open-mindedness, and skepticism in their own efforts to understand how and why universal phenomena exist and occur	Curiosity, Open-mindedness, Skepticism; Phenomena	
Students will communicate scientific ideas and activities clearly	Communicate Scientific Ideas	
Students will be familiar with the character of scientific knowledge and inquiry and how it is achieved	Character of Scientific Knowledge and Inquiry	
Students will be able to select and use tools and instruments to conduct scientific activities	Use Tools to Conduct Scientific Investigations	

Scientific Inquiry: System, Model, Change, Scale	Scientific Inquiry: System, Model, Change, Scale	System, Model, Scale
Students will understand and demonstrate the ideas of system, model, change, and scale in exploring scientific and technological matters	System	
Students will understand and demonstrate the ideas of system, model, change, and scale in exploring scientific and technological matters	Model	
Students will understand and demonstrate the ideas of system, model, change, and scale in exploring scientific and technological matters	Scale	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Physical Science	Physical Science	Physical Science
Properties and Changes of Matter	Properties and Changes of Matter	
Forms of Energy; Transfer and Conservation	Forms of Energy; Transfer and Conservation	
Motion at the Macroscopic Level	Motion at the Macroscopic Level	
Earth and Space Science	Earth and Space Science	Earth and Space Science
The Universe	The Universe	
Earth, Moon and Planets	Earth, Moon and Planets	
The Earth	The Earth	The Earth
History of the Earth	History of the Earth	
Properties of Earth's Materials	Properties of Earth's Materials	
Tectonics and Energy in Earth Systems	Tectonics and Energy in Earth Systems	
Climate/Weather and Biochemical Cycles	Climate/Weather and Biochemical Cycles	
The Living Environment	The Living Environment	Living Environment
Organization and Development	Organization and Development	
Matter and Energy Transformations	Matter and Energy Transformations	
Interdependence	Interdependence	
Heredity and Reproduction	Heredity and Reproduction	
Evolution and Diversity	Evolution and Diversity	