

Measures of Academic Progress (MAP) Arizona 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
Inquiry: Investigation Process	Inquiry: Investigation Process	Inquiry: Investigate
Observations, questions, and hypotheses	Observations, Questions, and Hypotheses	
Scientific testing: investigating and modeling	Scientific Testing: Investigating and Modeling	
Inquiry Process: Analysis of Data and Communicating Results	Inquiry: Analyze Data, Communicating Results	Inquiry: Analysis
Analysis, conclusion	Analysis, Conclusions	
Communication	Communication	
History and Nature of Science, and Science in Personal and Social Perspective	History, Nature, Personal Perspective Science	History, Nature Perspective
History of science and technology in society	History of Science and Technology in Society	
Nature of scientific knowledge and refinements	Nature of Scientific Knowledge and Refinements	



Northwest Evaluation Association
Partnering to help all kids learn

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

General Science Goal Structure	General Science DesCartes	General Science Report Names
Life Science	Life Science	Life Science
Characteristics of organisms, structure and function, the cell	Char Organisms, Structure and Function, Cell	
Life cycles, reproduction, and heredity	Life Cycles, Reproduction, and Heredity	
Organisms in environments, population, ecosystem, interdependence, matter and energy	Organ. Environment, Ecosystem, Matter, Energy	
Diversity, adaptation, behavior, and evolution	Diversity, Adaptation, Behavior, and Evolution	
Physical Science	Physical Science	Physical Science
Properties of objects and materials, properties and changes of properties in matter, structure and properties of matter, chemical reactions, and interactions of energy and matter	Objects, Properties, Chemical, Interactions	
Position and motion of objects, motion and forces, motions and forces	Position, Motion, Forces of Objects	
Energy and magnetism, transfer of energy, conservation of energy and increase in disorder	Energy, Transfer, Conservation, Disorder	
Earth and Space Science	Earth and Space Science	Earth and Space Science
Properties, structure, and geochemical cycles	Properties, Structure, and Geochemical Cycles	
Earth systems: processes, energy, origin, evolution	Earth Sys: Energy, Processes, Origin, Evolution	
Objects and changes in the earth and sky, solar system and universe	Objects, Changes, in Earth, Sky, Solar Sys, Univ	



Northwest Evaluation Association

Partnering to help all kids learn