

Measures of Academic Progress (MAP) Virginia State-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 Investigation	Scientific Investigation	Scientific Investigation
Observing, Classifying, Measuring	Observing, Classifying, Measuring	
Predicting, Hypothesizing, Inferring	Predicting, Hypothesizing, Inferring	
Designing Experiments, Models	Designing Experiments, Models	
Reasoning and Logic in Science	Reasoning and Logic in Science	Reasoning, Logic
Interpreting, Analyzing	Interpreting, Analyzing	
Concluding, Communicating	Concluding, Communicating	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Energy, Force, Motion, Matter	Energy, Force, Motion, Matter	Energy, Force, Motion, Matter
Energy	Energy	
Force, Motion, Simple Machines	Force, Motion, Simple Machines	
Matter	Matter	
Life Processes and Systems	Life Processes and Systems	Life Processes and Systems
Life Processes: Life Cycles	Life Cycles	
Life Processes: Adaptations, Evolution, Classification	Adaptations, Evolution, Classification	
Living Systems: Cells, Genetics	Cells, Genetics	
Living Systems: Ecosystems, Energy Flow	Ecosystems, Energy Flow	
Earth and Space Science	Earth and Space Science	Earth and Space Science
Interrelationships in Earth/Space Systems: Weather, Climate, Atmosphere, Oceans	Weather, Climate, Atmosphere, Oceans	
Interrelationships in Earth/Space Systems: Solar System, Universe	Solar System, Universe	
Earth Patterns, Cycles, Changes: Rocks, Minerals, Geologic Processes	Rocks, Minerals, Geologic Processes	
Earth's Resources: Natural Resources	Natural Resources	