

Measures of Academic Progress (MAP) Vermont 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 Inquiry: Scientific Questioning, Predicting and Hypothesizing and Designing Experiments	Science Inquiry: Question, Hypothesize, Design	Hypothesize, Design
Scientific questioning	Scientific Questioning	
Predicting and hypothesizing	Predicting and Hypothesizing	
Designing experiments	Designing Experiments	
Scientific Inquiry: Conducting Experiments, Representing Data and Analysis, Applying Results	Science Inquiry: Experiment, Data and Analysis, Results	Experiment Results
Conducting experiments	Conducting Experiments	
Representing data and analysis	Representing Data and Analysis	
Applying results	Applying Results	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Space, Time and Matter, Physical Science	Space, Time and Matter, Physical Science	Physical Science
Properties of matter and nuclear change	Properties of Matter and Nuclear Change	
Physical change and chemical change	Physical Change and Chemical Change	
Motion and force	Motion and Force	
Energy	Energy	
The Living World: Life Science; The Human Body	The Living World: Life Science; The Human Body	Life Science; Human Body
Survival of organisms, chemical reactions within cells	Survival of Organisms, Chemical Reactions in Cells	
Life cycles and reproduction; cell and tissue differentiation	Life Cycle, Reproduction; Cell, Tissue Differentiation	
Interdependence within ecosystems	Interdependence Within Ecosystems	
Classification of living things	Classification of Living Things	
Natural selection/evolution	Natural Selection/Evolution	
Heredity and patterns of human development	Heredity and Patterns of Human Development	
Body systems and human disease	Body Systems and Human Disease	
Universe, Earth and Environment: Earth Science	Universe, Earth and Environment: Earth Science	Earth Science and Universe
Solar system	Solar System	
Scale, distances, star formation, theories, instrumentation	Scale, Distances, Star Formation, Theories, Instrumentation	
Earth materials and the rock cycle	Earth Materials and the Rock Cycle	
Forces and changes on the earth's surface	Forces and Changes on the Earth's Surface	
Atmosphere, water cycle, weather, seasons	Atmosphere, Water Cycle, Weather, Seasons	
Natural resources	Natural Resources	



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