

Measures of Academic Progress (MAP) Connecticut 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 Inquiry	Scientific Inquiry	Scientific Inquiry
Design appropriate types of scientific investigations	Design appropriate types of scientific investigations	
Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.	Identify independent, dependent and constant variables	
Draw conclusions and identify sources of error	Draw conclusions and identify sources of error	
Numeracy, Literacy and Technology	Scientific Numeracy, Literacy	Numeracy, Literacy, Tech
Use mathematical operations to analyze and interpret data	Use mathematical operations to analyze and interpret data	
Classify and Order	Classify and Order	
Appropriate tools and techniques; observations, data	Appropriate tools and techniques; observations, data	

speaking, listening, presenting, interpreting, reading, writing	speaking, listening, presenting, interpreting, reading, writing	
Identify questions that can be answered through scientific investigation.	Identify questions	
Science and Technology in Society	Science and Technology in Society	



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General Science Goal Structure	General Science DesCartes	General Science Report Names
Physical Science	Physical Science	Physical Science
Properties of Matter	Properties of Matter	
Energy Transfer and Transformations	Energy Transfer and Transformations	
Force and Motion	Force and Motion	
Life Science	Life Science	Life Science
Environmental Science, Natural Resources, and Matter and Energy in Ecosystems	Environment, Natural Resources, Ecosystems	
Structure and Function	Structure and Function	
Heredity, Evolution, and Carrying Capacity	Heredity, Evolution, Carrying Capacity	
Earth and Space Science	Earth and Space Science	Earth and Space Science
The Changing Earth (Geochemical Cycles, Weather, Climate and Atmosphere)	Changing Earth, Weather, Climate, Atmosphere	
Energy in the Earth System (Soil, Rocks and Minerals, Plate Tectonics)	Earth's Energy, Rocks, Minerals, Plate Tectonics	
Earth, Moon, Sun, Solar System, and Universe	Solar System and Universe	

