

Measures of Academic Progress (MAP) Hawaii 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
The Scientific Process: Scientific Investigation	The Scientific Process: Scientific Investigation	Scientific Investigation
Hypothesizing, predicting, designing experiments	Hypothesize, Predict, Design Experiments	
Using tools and techniques to collect, organize, and analyze data	Use Tools, Tech to Collect, Organize, Analyze Data	
Defending and supporting conclusions, communicating	Defend and Support Conclusions, Communicate	
Scientific Process: Scientific Knowledge and Nature of Science	Sci Process: Sci Knowledge, Nature of Science	Knowledge, Nature; Science
Scientific knowledge	Scientific Knowledge	
Nature of science: science, technology and society	Nature of Science: Science, Technology and Society	
Unifying concepts and themes	Unifying Concepts and Themes	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Life and Environmental Sciences	Life and Environmental Sciences	Life, Environ Science
Organisms and the environment: understand the unity, diversity, and interrelationships of organisms, including their relationship to cycles of matter and energy in the environment: cycles of matter and energy	Cycles of Matter and Energy	
Organisms and the environment: understand the unity, diversity, and interrelationships of organisms, including their relationship to cycles of matter and energy in the environment: interdependence	Interdependence	
Structure and function in organisms: understand the structures and functions of living organisms and how organisms can be compared scientifically: cells, tissues, organs and organ systems	Cells, Tissues, Organs and Organ Systems	
Structure and function in organisms: understand the structures and functions of living organisms and how organisms can be compared scientifically: classification	Classification	
Diversity, genetics, and evolution: understand genetics and biological evolution and their impact on the unity and diversity of organisms: heredity	Heredity	
Diversity, genetics, and evolution: understand genetics and biological evolution and their impact on the unity and diversity of organisms: biological evolution	Biological Evolution	
Diversity, genetics, and evolution: understand genetics and biological evolution and their impact on the unity and diversity of organisms: unity and diversity	Unity and Diversity	

Physical Science	Physical Science	Physical Science
Nature of matter and energy: understand the nature of matter and energy, forms of energy (including waves) and energy transformations, and their significance in understanding the structure of the universe: energy and its transformations	Energy and Its Transformations	
Nature of matter and energy: understand the nature of matter and energy, forms of energy (including waves) and energy transformations, and their significance in understanding the structure of the universe: waves	Waves	
Nature of matter and energy: understand the nature of matter and energy, forms of energy (including waves) and energy transformations, and their significance in understanding the structure of the universe: nature of matter	Nature of Matter	
Force and motion: understand the relationship between force, mass, and motion of objects; and know the major natural forces: gravitational, electric, and magnetic: force and motion	Force and Motion	
Force and motion: understand the relationship between force, mass, and motion of objects; and know the major natural forces: gravitational, electric, and magnetic: forces and the universe	Forces and the Universe	
Earth and Space Science	Earth and Space Science	Earth and Space Science
Earth and space science: understand the earth and its processes, the solar system, and the universe and its contents: earth materials	Earth Materials	
Earth and space science: understand the earth and its processes, the solar system, and the universe and its contents: forces that shape the earth	Forces that Shape the Earth	

Earth and space science: understand the earth and its processes, the solar system, and the universe and its contents: the universe	The Universe	
Earth and space science: understand the earth and its processes, the solar system, and the universe and its contents: earth in the solar system	Earth in the Solar System	