

# Measures of Academic Progress (MAP) Maine-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.

<b>Concepts and Processes Goal Structure</b>	<b>Concepts and Processes DesCartes</b>	<b>Concepts and Processes Report Names</b>
<b>Unifying Themes: Students Apply the Principles of Systems, Models, Constancy and Change, and Scale in Science and Technology</b>	<b>Unifying Themes</b>	<b>Unifying Themes</b>
Systems	Systems	
Models	Models	
Constancy and change, and scale	Constancy and Change, and Scale	
<b>The Skills and Traits of Scientific Inquiry and Technological Design, and The Scientific and Technological Enterprise</b>	<b>Scientific Inquiry and Technological Design</b>	<b>Inquiry and Design</b>
The skills and traits of scientific inquiry and technological design, and the scientific and technological enterprise: identify questions	Identify Questions	
The skills and traits of scientific inquiry and technological design, and the scientific and technological enterprise: plan (design) a scientific investigation	Plan (Design) a Scientific Investigation	
The skills and traits of scientific inquiry and technological design, and the scientific and technological enterprise: use appropriate tools, metric units and techniques to gather, analyze, and interpret data	Tools, Units, Techniques to Gather, Interpret Data	

the scientific and technological enterprise: gather, organize, and present data	Gather, Organize, and Present Data	
The scientific and technological enterprise: understandings of inquiry; understandings about science and technology; science, technology, and society; and history and nature of science.	The Scientific and Technological Enterprise	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
<b>The Physical Setting: Students Understand the Universal Nature of Matter, Energy, Force and Motion, and Identify How These Relationships are Exhibited in Earth Systems, in The Solar System and Throughout the Universe: Universe and Solar System, and Earth</b>	<b>Physical Setting: Universe, Solar System, Earth</b>	<b>Earth and Space Science</b>
Universe and solar system	Universe and Solar System	
Earth	Earth	
<b>The Physical Setting: Students Understand the Universal Nature of Matter, Energy, Force and Motion, and Identify How These Relationships are Exhibited in Earth Systems, in The Solar System and Throughout the Universe: Matter, Energy, Force, Motion</b>	<b>Physical Setting: Matter, Energy, Force, Motion</b>	<b>Physical Science</b>
Matter and energy	Matter and Energy	
Force and motion	Force and Motion	
<b>The Living Environment: Students Understand That Cells are the Basic Unit of Life, That all Life as we Know it has Evolved Through Genetic Transfer and Natural Selection to Create a Great Diversity of Organisms, and That These Organisms Create Interdependent Webs Through Which Matter and Energy Flow. Students Understand Their Similarities and Differences, as Humans, to Other Organisms and Their Interconnections to These Interdependent Webs.</b>	<b>The Living Environment</b>	<b>The Living Environment</b>
Biodiversity	Biodiversity	
Ecosystem	Ecosystem	
Cells	Cells	
Heredity and reproduction, and evolution	Heredity and Reproduction, and Evolution	

