

Measures of Academic Progress (MAP) Washington 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
Investigating Systems	Investigating Systems	Investigating Systems
Investigating systems: questioning	Investigating Systems: Questioning	
Investigating sys: planning, conducting investigations	Investigating Sys: Planning, Conducting Investigation	
Investigating systems: explaining	Investigating Systems: Explaining	
Investigating systems: modeling	Investigating Systems: Modeling	
Investigating systems: communicating	Investigating Systems: Communicating	
Application; System Structure	Application; System Structure	Application; Sys Structure
Systems structure	Systems Structure	
Nature of science: evaluation, inconsistencies, results; intellect honesty	Nat Science Evaluation Inconsistent Results; Intellect Honesty	



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Nature of science: limitations of science and tech	Nature of Science: Limitations of Science and Tech	
Nature of science: evaluating methods of investigation	Nature of Science Evaluating Methods of Investigation	
Nature of science: evolution of scientific ideas	Nature of Science: Evolution of Scientific Ideas	
Application: designing solutions	Application: Designing Solutions	
Application: science, technology, and society	Application: Science, Technology, and Society	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Properties of Systems	Properties of Systems	Properties of Systems
Properties of Physical Systems: Properties of Substances	Physical Systems: Properties of Substances	
Properties of Physical Systems: Motion of Objects	Physical Systems: Motion of Objects	
Properties of Physical Systems: Wave Behavior and Forms of Energy	Physical Systems: Wave Behavior, Forms of Energy	
Properties of Earth and Space Systems: Nature and Properties of Earth Materials	Earth-Space Systems: Nature, Prop of Earth Materials	
Properties of Living Systems: Characteristics of Living Matter	Living Systems: Characteristics of Living Matter	
Structure of Systems	Structure of Systems	Structure of Systems
Structure of Physical Systems: Energy transfer and Transformation	Physical Systems: Energy Transfer, Transformation	
Structure of Physical Systems: Structure of Matter	Physical Systems: Structure of Matter	
Structure of Earth and Space Systems: Components and Patterns of Earth Systems	Earth-Space Systems: Components and Patterns of Earth Systems	
Structure of Earth and Space Systems: Components of the Solar System and Beyond Universe	Earth-Space Sys: Components Solar Sys and Universe	
Structure of Living Systems: Structure and Organization of Living Systems	Living Systems: Structure, Organization of Living Systems	
Structure of Living Systems: Molecular Basis of Heredity	Living Systems: Molecular Basis of Heredity	
Structure of living systems: human biology	Living Systems: Human Biology	



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Changes in Systems	Change in Systems	Changes in Systems
Changes in Physical Systems: Nature of Force	Physical Systems: Nature of Force	
Changes in Physical Systems: Forces to Explain Motion	Physical Systems: Forces to Explain Motion	
Changes in Physical Systems: Conservation of Matter and Energy	Physical Systems: Conservation of Matter, Energy	
Changes in Earth and Space Systems: Processes and Interactions in the Earth System	Earth-Space Sys: Processes, Interact in Earth System	
Changes in Earth and Space Systems: History and Evolution of the Earth	Earth-Space Sys: History and Evolution of Earth	
Changes in Earth and Space Systems: Hydrosphere and Atmosphere	Earth-Space Sys: Hydrosphere and Atmosphere	
Changes in Earth and Space Systems: Interactions in the Solar System and Beyond Universe	Earth-Space: Interact in Solar Sys and Beyond Universe	
Changes in Living Systems: Life Processes and the flow of Matter and Energy	Living Sys: Life Processes, Flow of Matter, Energy	
Changes in Living Systems: Biological Evolution	Living Systems: Biological Evolution	
Changes in Living Systems: Interdependence of Life	Living Systems: Interdependence of Life	