

Measures of Academic Progress (MAP) New Jersey 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
Science Practices: Understand Scientific Explanations	Understand Scientific Explanations	Scientific Explanations
Use interrelationships among scientific concepts to revise and consider alternative explanations; use mathematical, physical, and computational tools to build evidence-based models and to pose theories.	Scientific Concepts; Tools, Models, and Theories	
Use scientific principles for data collection, posing controls, and presenting evidence.	Data Collection; Controls; Present Evidence	
Science Practices: Generate Scientific Evidence through Active Investigations	Generate Evidence through Active Investigations	Investigations; Evidence
Design investigations; use qualitative and quantitative evidence; use quality controls to examine data sets.	Investigations; Qualitative and Quantitative	
Collect, analyze, and evaluate evidence; communicate and justify explanations.	Collect, Analyze, Evaluate; Justify Explanations	

Science Practices: Reflect on Scientific Knowledge and Participate Productively in Science	Reflect Science Knowledge; Participate in Science	Reflect and Participate
Reflect and revise understandings of new evidence; predict cause and effect outcomes; Demonstrate lab safety	New Evidence; Cause and Effect; Lab Safety	

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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	
Changes in matter	Changes in Matter	
Forms of energy; Energy transfer and conservation	Forms of Energy; Energy Transfer and Conservation	
Force and motion	Force and Motion	
Life Science	Life Science	Life Science
Organization and development	Organization and Development	
Matter and energy transformations; Interdependence	Matter and Energy Transformations; Interdependence	
Heredity and reproduction; Evolution and diversity	Heredity and Reproduction; Evolution and Diversity	
Earth and Space Science	Earth and Space Science	Earth and Space Science
Objects in the Universe	Objects in the Universe	
Properties of Earth materials	Properties of Earth Materials	
History of Earth; Tectonics	History of Earth; Tectonics	
Energy in Earth systems; Climate and weather; Biogeochemical cycles	Energy in Earth Systems; Climate, Weather; Cycles	