

Measures of Academic Progress (MAP) Michigan 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
Inquiry Process	Inquiry Process	Inquiry Process
Generate Scientific Questions Based on Observations, Investigations, and Research	Generate Scientific Questions	
Plan, Design and Conduct Scientific Investigations	Conduct Scientific Investigations	
Manipulate and Use Tools and Use Metric Measurement Devices Appropriate to Scientific Investigations; Construct Charts and Graphs from Data and Observations	Use Tools; Construct Charts and Graphs	
Inquiry Analysis and Communication	Inquiry Analysis and Communication	Analysis and Communication
Summarize and Analyze Information; Develop Research Strategies; Communicate and Defend Findings	Analyze Information; Communicate, Defend Findings	
Draw Conclusions; Use Multiple Sources to Evaluate Data	Draw Conclusions; Evaluate Data	

Reflection and Social Implications	Reflection and Social Implications	Reflections, Implications
Demonstrate Scientific Concepts	Demonstrate Scientific Concepts	
Use Evidence When Communicating Scientific Ideas and Decisions	Use Evidence in Communicating, Making Decisions	
Identify current problems that may be solved through technology and design solutions	Identify Technology and Design Solutions	

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General Science Goal Structure	General Science DesCartes	General Science Report Names
Physical Science	Physical Science	Physical Science
Energy	Energy	
Properties of Matter	Properties of Matter	
Changes in Matter	Changes in Matter	
Forces and Motion	Forces and Motion	
Life Science	Life Science	Life Science
Organization of Living Things	Organization of Living Things	
Ecosystems	Ecosystems	
Heredity and Evolution	Heredity and Evolution	
Earth Science	Earth Science	Earth Science
Earth Systems	Earth Systems	
Solid and Fluid Earth	Solid and Fluid Earth	
Earth in Space and Time	Earth in Space and Time	