

Measures of Academic Progress (MAP) North Carolina 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
Science as Inquiry	Science as Inquiry	Science as Inquiry
Acquiring, processing, and interpreting data	Acquiring, processing, and interpreting data	
Identifying variables and their relationships	Identifying variables and their relationships	
Formulating models	Formulating models	
Designing investigations and understanding scientific inquiry	Designing investigations and understanding scientific inquiry	
Constructing hypotheses	Constructing hypotheses	
Nature of Science	Nature of Science	Nature of Science
The ability to do scientific inquiry and integrated process skills	The ability to do scientific inquiry and integrated process skills	
Science and technology; science in personal and social perspectives	Science and technology; science in personal and social perspectives	
Analyzing investigations	Analyzing Investigations	



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General Science Goal Structure	General Science DesCartes	General Science Report Names
Understanding of Life And Ecology	Understanding of Life and Ecology	Life and Ecology
Understanding characteristics of life and life cycles	Understanding Characteristics, Cycles of Life	
Understanding ecology	Understanding Ecology	
Understanding the flow of matter and energy	Understanding the Flow of Matter and Energy	
Understanding Life Changes Over Time	Understanding Life Changes Over Time	Life Over Time
Understanding organization	Understanding Organization	
Understanding cell biology	Understanding Cell Biology	
Understanding genetics	Understanding Genetics	
Understanding evolution	Understanding Evolution	
Understanding form and function	Understanding Form and Function	
Understanding the Properties and Structure of Matter	Understanding Properties, Structure of Matter	Matter
Understanding properties of matter	Understanding Properties of Matter	
Understanding magnetism and electricity	Understanding Magnetism and Electricity	
Understanding the interaction of matter; chemistry	Understanding Interaction of Matter; Chemistry	
Understanding Force and Motion	Understanding Force and Motion	Force and Motion
Understanding force	Understanding Force	
Understanding motion	Understanding Motion	
Understanding Earth and Space Sciences	Understanding Earth and Space Sciences	Earth and Space Sciences
Understanding weather, climate, atmosphere, and hydrosphere	Understanding Weather, Atmosphere, Hydrosphere	
Understanding earth materials	Understanding Earth Materials	



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Understanding changes in the lithosphere and environment	Understanding Changes, Lithosphere, Environment	
Understanding the earth in space	Understanding the Earth in Space	