

Measures of Academic Progress (MAP) Ohio 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
Scientific Inquiry	Scientific Inquiry	Scientific Inquiry
Asking questions, formulating hypotheses	Asking Questions, Formulating Hypotheses	
Design scientific inquiry and safety	Design Scientific Inquiry and Safety	
Measurement, numbers and tools	Measurement, Numbers and Tools	
Controls and variables	Controls and Variables	
Data - graphs, tables, charts and models	Data: Graphs, Tables, Charts and Models	
Observation, data, conclusion, communication	Observation, Data, Conclusion, Communication	
Constancy, change, and equilibrium	Constancy, Change, Equilibrium	
Scientific Way of Knowing, Science Technology	Scientific Way and Technology	Scientific Way, Technology
Nature of science and ethical practices	Nature of Science and Ethical Practices	
Understand technology design, science, society	Understand Technology Design, Science, Society	



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General Science Goal Structure	General Science DesCartes	General Science Report Names
Earth and Space Science	Earth and Space Sciences	Earth and Space Sciences
Properties of earth materials and structure of the earth system; energy in the earth system	The Universe	
Formation and ongoing changes in the earth system; geochemical cycles	Processes That Shape Earth	
Objects in the sky; formation and ongoing changes of the universe	Earth Systems	
Life Science	Life Science	Life Science
Structure and function, regulation and behavior in living systems	Characteristics and Structure of Life	
Life cycles, reproduction and heredity; biological change	Diversity and Interdependence of Life	
Interdependence of organisms, flow of energy and cycling of matter in ecosystems	Heredity and Evolutionary Theory	
Physical Science	Physical Science	Physical Science
Structure, properties and chemical reactions of matter	Nature of Matter	
Motions and forces	Forces and Motion	
Energy and its interactions	Nature of Energy	

