

Measures of Academic Progress (MAP) South Carolina-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
Technology Design, Scientific Inquiry, Questions, Hypothesizing, and Design	Tech Design, Sci Inq: Ques, Hypothesizing, Design	Hypothesize, Ques, Design
Hypothesizing and predicting	Hypothesizing and Predicting	
Asking questions	Asking Questions	
Classifying	Classifying	
Tools and technological design	Tools and Technological Design	
Models and systems	Models and Systems	
Technology Design, And Scientific Inquiry: And Design Scientific Investigations	Tech Design and Sci Inq: Design Sci Investigations	Design Sci Investigations
Designing experiments	Designing Experiments	
Controlling variables	Controlling Variables	
Collecting and interpreting data	Collecting and Interpreting Data	

Making inferences and drawing conclusions	Making Inferences and Drawing Conclusions	
Observation and measurement	Observation and Measurement	
Communicating results	Communicating Results	

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General Science Goal Structure – Grade Level Tests 3-8	General Science DesCartes – Grade Level Tests 3-8	General Science Report Names
Life Science	Life Science	Life Science
Classification, the ecosystem, structure, function, evolution	Classification, the Ecosystem, Structure, Function, Evolution	
Plants, animals, genetics, and level of organization	Plants, Animals, Genetics, and Level of Organization	
Earth Science	Earth Science	Earth Science
Earth science; landforms, changes, structure, atmosphere	Earth Science; Landforms, Changes, Structure, Atmosphere	
Earth and space systems: astronomy	Earth and Space Systems: Astronomy	
Physical Science	Physical Science	Physical Science
Matter	Matter	
Forces and motion	Forces and Motion	
Types and properties of energy	Types and Properties of Energy	



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General Science Goal Structure – Pre and End-of Course for Physical Science	General Science DesCartes – Pre and End-of Course for Physical Science	General Science Report Names
Chemistry	Chemistry	Chemistry
Understanding of the structure and properties of atoms	Understanding of the Structure and Properties of Atoms	
Properties and classifications of matter	Properties and Classifications of Matter	
Chemical reactions, and chemical compounds	Chemical Reactions, and Chemical Compounds	
Physics	Physics	Physics
Understanding of the nature of forces and motion	Understanding of the Nature of Forces and Motion	
Nature and properties of mechanical and electromagnetic waves	Nature and Properties of Mechanical and Electromagnetic Waves	
Understanding, conservation, and transformation of energy	Understanding, Conservation, and Transformation of Energy	



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General Science Goal Structure – Pre and End-of Course for Biology	General Science DesCartes – Pre and End-of Course for Biology	General Science Report Names
Organisms and the Flow of Energy in the Environment	Organisms and the Flow of Energy in the Environment	Energy in the Environment
Organisms the biotic, abiotic components of environment	Organisms the Biotic, Abiotic Components of Environment	
The flow of energy within and between living systems	The Flow of Energy Within and Between Living Systems	
Cells, Heredity Evolution	Cells, Heredity Evolution	Cells, Heredity Evolution
Structure and function of cells and organelles	Structure and Function of Cells and Organelles	
Biological evolution, diversity of life	Biological Evolution, Diversity of Life	
Molecular basis of heredity	Molecular Basis of Heredity	

