

Measures of Academic Progress (MAP) Minnesota 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 |
|---|--|--|
| Nature of Science: Scientific World View and the Scientific Enterprise | Nature of Science | Nature of Science |
| Ideas of laws, theories, hypotheses and scientific facts | Laws, Theories, Hypotheses, Scientific Facts | |
| Scientific knowledge is subject to change | Scientific Knowledge is Subject to Change | |
| Scientific criteria and characteristics | Scientific Criteria and Characteristics | |
| Uses and limitations of models | Uses and Limitations of Models | |
| Science and technology | Science and Technology | |
| Nature of Science: Scientific Inquiry: Designing Experiments | Scientific Inquiry: Designing Experiments | Scientific Inq: Design Exp |
| Asking questions and forming hypotheses | Asking Questions and Forming Hypotheses | |
| Designing and conducting scientific investigations | Designing and Conducting Scientific Investigations | |



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| Nature of Science: Scientific Inquiry: Collecting and Analyzing Data | Scientific Inquiry: Collecting, Analyze Data | Collect, Analyze Data |
|--|---|-----------------------|
| Using appropriate tools and technology to collect data | Using Appropriate Tools, Tech to Collect Data | |
| Presenting and analyzing data | Presenting and Analyzing Data | |
| Forming conclusions and developing explanations | Forming Conclusions and Developing Explanations | |



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| General Science Goal Structure | General Science DesCartes | General Science Report Names |
|--|--|-------------------------------------|
| Physical Science | Physical Science | Physical Science |
| Structure of matter and chemical reactions | Structure of Matter and Chemical Reactions | |
| Energy transformations | Energy Transformations | |
| Motion | Motion | |
| Forces of nature | Forces of Nature | |
| Earth and Space | Earth and Space | Earth and Space Science |
| Earth structure and processes | Earth Structure and Processes | |
| The water cycle, weather and climate | The Water Cycle, Weather and Climate | |
| The universe | The Universe | |
| Life Science | Life Science | Life Science |
| Diversity of organisms | Diversity of Organisms | |
| Interdependence of life | Interdependence of Life | |
| Heredity and cells | Heredity and Cells | |
| Biological populations change | Biological Populations Change | |
| Flow of matter and energy | Flow of Matter and Energy | |
| Human organism | Human Organism | |

