

What is in this report?

This report provides a summary of the results of your student's performance on the state academic assessment, the Maine Science Assessment. The Maine Science Assessment is based on the Maine Science and Engineering Standards, i.e., the Next Generation Science Standards (NGSS). The Maine Science Assessment is required for Maine public school students in grades 5, 8, and the 3rd year of high school.

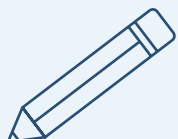
What is the Maine Science Assessment?

The Maine Science Assessment focuses on multidimensional learning that incorporates science and engineering practices and disciplinary core ideas. The NGSS describes science and engineering practices as those activities that scientists do to investigate the natural world. The disciplinary core ideas are the key content ideas in science and can be grouped into physical science, life science, and Earth and space science.



To create a more complete understanding of what your student knows and can do in relation to grade level standards, information from this report should be used alongside additional sources, such as school assessments and classroom learning.

Questions for the Student



- What are you studying in science class?
- What is your favorite part about science class?
- Can you think of any jobs that use science you would like to do when you grow up?

Questions for the Teacher



- What is my student learning in science class this year?
- How can I use this information to better support my student's learning?
- What resources are available in the community to support science learning?

Overall Student Science Performance



Score Comparison

Student Score:		50
School Average:		35
SAU Average:		35
State Average:		36



A student's test score can vary. If your student took this test again, it is likely that they would score between 48 and 52 points.

Well Below State Expectations: The student's work demonstrates a minimal understanding of essential concepts in science. The student's responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing connections among central ideas. There are multiple inaccuracies.

Below State Expectations: The student's work demonstrates an incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems, but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear.

At State Expectations: The student's work demonstrates an adequate understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding.

Above State Expectations: The student's work demonstrates a thorough understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions.

The overall score is comprised of scores in these three areas:

Physical Science



There are five physical science topic bundles in high school:

- Structure and Properties of Matter
- Chemical Reactions
- Forces and Interactions
- Energy
- Waves and Electromagnetic Radiation

Life Science



There are five life science topic bundles in high school:

- Structure and Function
- Matter and Energy in Organisms and Ecosystems
- Interdependent Relationships in Ecosystems
- Inheritance and Variation in Traits
- Natural Selection and Evolution

Earth and Space Science



There are five Earth and space science topic bundles in high school:

- Space Systems
- History of Earth
- Earth's Systems
- Weather and Climate
- Human Sustainability