



GRADE 8 SCIENCE

Science Assessment Report, 2020–2021

This report shows whether SAMPLE LASTNAME14 met grade band expectations in science and is on track for the next grade band. The items on the assessment measure your child's understanding of concepts and practices in science and require critical thinking to find solutions to problems. The Maryland Integrated Science Assessment is one of several ways to help families and teachers understand how well your child is acquiring science concepts and practices.

How Can You Use This Report?

Ask your child's teachers:

- What do you see as my child's strengths and areas for improvement in science?
- How can these assessment results be used to help my child make progress in science?

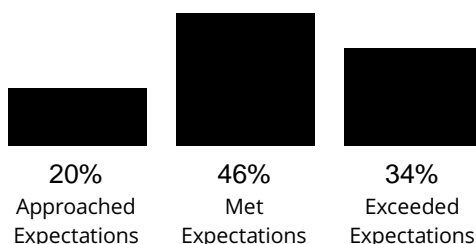
How Did SAMPLE LASTNAME14 Perform Overall?

Level of Proficiency
Met Expectations

- Exceeded Expectations
- Met Expectations
- Approached Expectations



How Students in Maryland Performed



The Early Fall assessment measures the science content from the grade your student completed during the 2020-2021 school year. The assessments measure how well students understood science concepts tested in grade 8.

Science Proficiency Level Descriptions

Level 3 Exceeded Expectations:

Students who perform at this level demonstrate an effective ability to apply scientific thinking to understand the natural world and apply engineering design to find solutions to problems. Students demonstrate the ability to think critically about physical and chemical interactions that affect the world around them; factors that affect organism survival and reproduction; factors that influence the Earth and our solar system; and how to optimize design solutions. Students apply skills such as asking questions that lead to explanations supported by evidence, using mathematics to analyze data, and applying scientific ideas to develop, test, compare, and improve design solutions.

Level 2 Met Expectations:

Students who perform at this level demonstrate the ability to apply scientific thinking to understand the natural world and apply engineering design to find solutions to problems. Students demonstrate an understanding of physical and chemical interactions that affect the world around them; factors that affect organism survival and reproduction; factors that influence the Earth and our solar system; and how to optimize design solutions. Students use skills such as asking questions that can lead to reasonable predictions, using mathematics to describe data, and applying scientific ideas to evaluate a design solution.

Level 1 Approached Expectations:

Students who perform at this level are approaching the ability to apply scientific thinking to understand the natural world and apply engineering design to find solutions to problems. Students are developing an understanding of physical and chemical interactions that affect the world around them; factors that affect organism survival and reproduction; factors that influence the Earth and our solar system; and how to optimize design solutions. Students are beginning to demonstrate skills such as asking questions about changes in an investigation, organizing simple data sets that reveal patterns, and identifying scientific evidence used to support a claim.

How are assessment results used?

Results from the assessment give your child's teacher, school, and school district information about his/her science performance, and provide you with some insight into your child's level of proficiency. These results never stand alone, but can be used with other assessments and class work when gauging student performance.

Learn more about Maryland's science standards and the MCAP Practice Test

NGSS website <https://nextgenscience.org>

Science Program on Maryland Public Schools:

<http://marylandpublicschools.org/about/Pages/DCAA/Science/index.aspx>

For an opportunity to view sample test items on a Practice Test and interact with the tools and navigation of the test, visit Test Preparation on the MCAP Portal at:

<http://support.mdassessments.com>.