-*- Demonstration Powered by OpenText Exstream 02/25/2025, Version 16.6.60 64-bit -*-FIRSTNAME21 T. LASTNAME21



Date of Birth: 10/02/2014 ID: 110000060 **Grade: 8** Local Education Agency (LEA): SAMPLE DISTRICT NAME SAMPLE SCHOOL NAME MARYLAND

SPRING 2025

Maryland Comprehensive Assessment Program GRADE 8 MISA

Science Assessment Report, 2024-2025

This report shows whether FIRSTNAME21 met grade band expectations in science and is on track for the next grade band. The items on the assessment measure your student's understanding of concepts and practices in science and require critical thinking to find solutions to problems. The Maryland Integrated Science Assessment (MISA) is one of several ways to help families and teachers understand how well your student is acquiring science concepts and practices.

How Can You Use This Report?

Ask your student's teachers:

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

To learn more about the Maryland Science Program visit <u>http://marylandpublicschools.org/about/Pages/DCAA/Science/index.aspx</u>. For Practice Tests visit Test Preparation on <u>http://support.mdassessments.com</u>. MCAP Public Release Items - <u>https://itempra.org/public/</u>



How are assessment results used?

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

How Did Your Student Perform on the MISA?



Science Performance Level Descriptions

Level 4 Distinguished Learners: *Distinguished learners demonstrate advanced proficiency* in applying scientific thinking to understand the natural world and apply engineering design to find solutions to problems. Learners at this level *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. Distinguished learners *are well prepared* in 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 3 Proficient Learners: *Proficient learners demonstrate proficiency* in applying scientific thinking to understand the natural world and apply engineering design to find solutions to problems. Learners at this level *explain* 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. Proficient learners *are prepared* in asking questions that can lead to reasonable predictions, using mathematics to describe data, and applying scientific ideas to evaluate a design solution.

Level 2 Developing Learners: *Developing learners demonstrate partial proficiency* in applying scientific thinking to understand the natural world and apply engineering design to find solutions to problems. Learners at this level *describe* 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. Developing learners *need additional academic support* in asking questions about changes in an investigation, organizing simple data sets that reveal patterns, and identifying scientific evidence used to support a claim.

Level 1 Beginning Learners: *Beginning learners do not yet demonstrate proficiency* in applying scientific thinking to understand the natural world and engineering design to find solutions to problems. Learners at this level *identify* 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. Beginning learners *need substantial academic support* in asking questions about changes in an investigation, organizing simple data sets that reveal patterns, and identifying scientific evidence used to support a claim.