


# BIE Science Assessment – Report Interpretation Quick Guide



The Bureau of Indian Education (BIE) Science Assessment is based on Next Generation Science Standards (NGSS), and is administered to students in grades 5, 8, and 11. The standards focus on important disciplinary core ideas, scientific and engineering practices, and crosscutting concepts that apply across scientific disciplines. The assessment provides information regarding each student’s progress toward achievement of essential knowledge and skills that will help them explain and make sense of phenomena in the world around them, solve problems, and apply their scientific literacy to understand that scientific dilemmas they may face as adults.

This document outlines how to interpret the information on the individual student report. The report provides general information about the BIE Science Assessment, resources for parents/guardians, and the student’s results, including the student’s scale score and achievement level. The report also provides information on how the student performed compared to other BIE students.

## Sample Individual Student Report (page 1)



### BIE Science Assessment Individual Student Report Spring 2024

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**A** Dear Parent or Guardian:

We are excited that your student participated in the high-quality Science Assessment aligned to the Next Generation Science Standards (NGSS) as required for all Bureau Funded Schools as part of *Every Student Succeeds Act (ESSA)*. This is your student’s performance report based on the Spring Science Assessment results.

As your student grows and learns during the school year, the Bureau of Indian Education (BIE) will administer the science assessment annually for grades 5, 8, and 11 to measure how well your student is performing on the Next Generation Science Standards. It will provide a better understanding of what your student knows and is able to do.

These assessment results will allow you to gain critical insights to your student’s progress, support your understanding of his/her strengths and areas identified as needing improvement. Additionally, the information will support instruction, identify resources, and provide enrichment activities to meet the needs of all learners.

We thank you for your continued support and cooperation.

The Bureau of Indian Education

**Student Name:** LASTNAME177, FIRST177  
**NASIS ID:** D00177  
**Tested Grade:** 05  
**Student Grade:** 05  
**District:** Demonstration District A  
**School:** Demonstration School 2

**B** **RESOURCES**

**U.S. Department of the Interior/Bureau of Indian Education:** To learn more about the Bureau of Indian Education, please navigate to <https://www.bie.edu> or scan the QR code.

**Assessment & Accountability:** Integrated content and assessments ensure broad access to accurate and timely student and school-level information which is used for educational decision making. For more information on BIE Assessments and Accountability, please navigate to <https://www.bie.edu/landing-page/assessments-and-accountability> or scan the QR code.

**Standards:** The BIE Science assessment is aligned to the Next Generation Science Standards. To read the standards, navigate to <https://www.nextgenscience.org/search-standards> or scan the QR code.

**C** **Achievement Level Descriptors**

500	Novice	544	Nearing Proficiency	560	Proficient	574	Advanced	590
Students demonstrate evidence of <b>emerging</b> understanding and use of college and career readiness knowledge, skills, and abilities.		Students demonstrate evidence of <b>partial</b> understanding and use of college and career readiness knowledge, skills, and abilities.		Students demonstrate evidence of <b>satisfactory</b> understanding and use of college and career readiness knowledge, skills, and abilities.		Students demonstrate evidence of <b>thorough</b> understanding and use of college and career readiness knowledge, skills, and abilities.		

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**A** This section provides assessment information and a note to parents/guardians around the use of the report information in schools.

**B** This section provides links to additional resources for the BIE Science Assessment, including standards, general BIE information, and specific assessment information. Links can be accessed by typing the link into a browser or scanning the QR code with a smart phone/tablet.

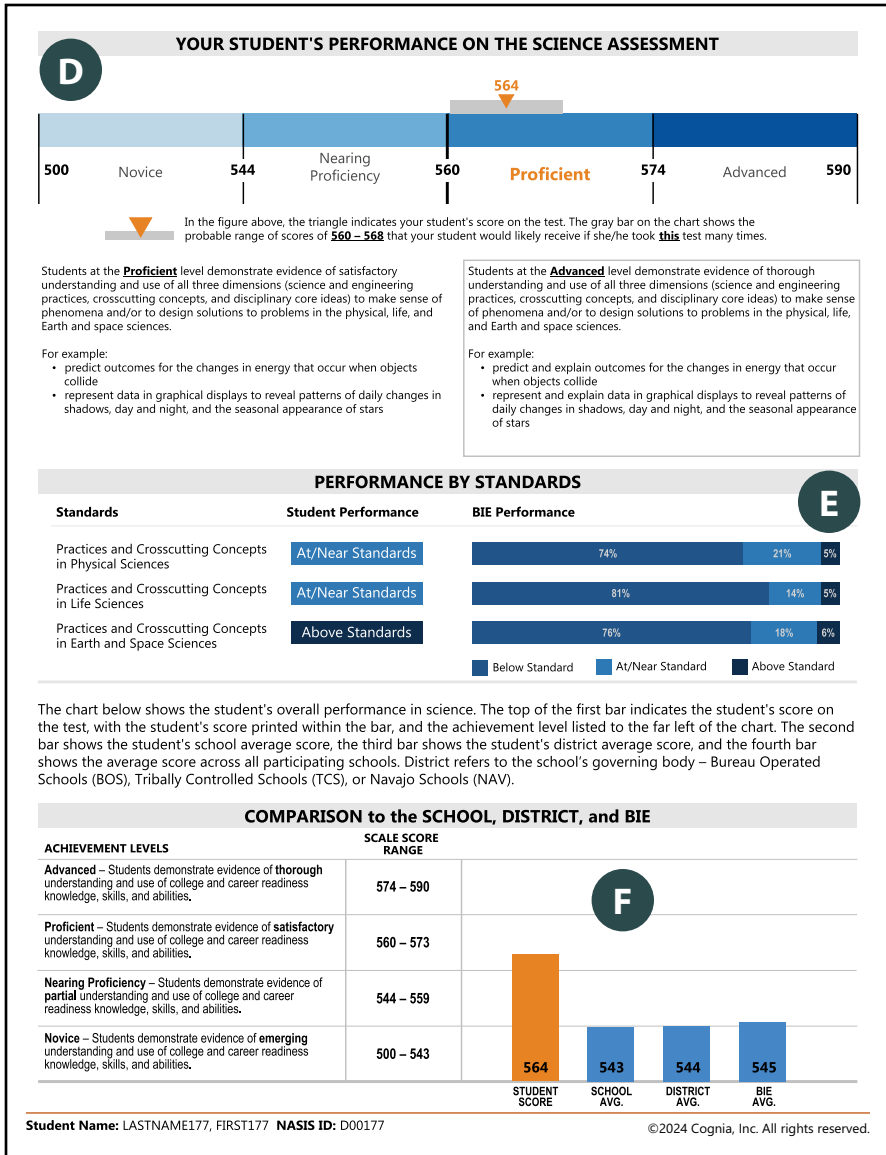
**C** This section describes the four possible achievement levels a student can reach – Novice, Nearing Proficiency, Proficient, and Advanced.

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While page one outlines general assessment and report information, page two provides specific information on the student’s performance, both individually and in relation to their peers.

## Sample Individual Student Report (page 2)



**D** This section describes your student’s performance on the overall assessment. Their scale score is provided on the chart, indicating their achievement level. Additional information regarding the achievement level and the skills demonstrated at that level are outlined below. To the right, information is included on what skills the student would need to develop to reach the next achievement level.

**E** This section breaks down the student performance by each science discipline. The student performance is displayed along with a bar graph of overall BIE performance.

**F** This section displays the student’s performance in relation to peers in his or her school, district, and across the BIE. District, as used on this report, refers to the school’s governing body – Bureau Operated Schools, Tribally Controlled Schools, and Navajo Schools.

For additional information regarding the student report, contact your school test coordinator (STC). School inquiries should be directed to the BIE.