

Hawai'i State End-of-Course Exams Family Reports Interpretive Guide



Understanding Your Child's 2020–2021 Exam Scores

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Disclaimer: The data in the sample Family Report are for display purposes only and do not represent actual results. The student's name on the sample report is fictitious, and any similarity to an actual student name is purely coincidental.

What Is the Purpose of the EOC Exams?

The Hawai'i State End-of-Course (EOC) Exams measure student performance in the standards assigned to the courses for Biology 1, Algebra 1 and Algebra 2. Currently, students are required to take the EOC exam if they are enrolled in Biology 1.

The EOC exams include several different types of questions that students will answer:

- Multiple-choice questions, in which students will select an answer option from a set of possible choices
- Constructed-response questions:
 - Natural language questions, in which students will type a short response into an answer space;
 - Interactive questions, in which students will use the mouse or keyboard to move items or draw responses within an answer space (also called a grid);
 - Equation editor questions, in which students will input any mathematical expression or equation; and
 - Simulation prompts, in which students will interact with data and provide answers in varied formats.

Cover Letter
 The first page of your child's family report includes an important letter summarizing the contents of the report and encouraging you to be an active participant in your child's education.

This report presents your child's performance on the Hawai'i State End-of-Course (EOC) Exam for Biology 1, Algebra 1 or Algebra 2. Hawai'i's EOC exams are administered during the last few weeks of the related courses. These assessments measure students' understanding of the state's adopted standards for the respective courses. These exams provides you, your child, and your child's teachers with valuable information about their strengths and areas needing attention.

The EOC exams for Algebra 1 and Algebra 2 are designed to measure students' understanding of Algebra 1 and Algebra 2 concepts aligned to the Hawai'i Common Core Standards. The Algebra 1 course includes emphasis on linear functions, system of equations/inequalities, and quadratic functions. The Algebra 2 course covers statistics and both linear and nonlinear functions. Topics covered include (but are not limited to) linear, exponential, quadratic, rational, polynomial, and absolute value functions.

The Biology EOC is based on the Next Generation Science Standards (NGSS) for the life sciences in high school. The standards reflect current research and best practices in science teaching and learning to prepare students to think critically, analyze information and solve complex problems — the skills needed to be scientifically literate and to pursue future opportunities. The NGSS emphasizes three distinct, yet equally important dimensions that help students learn science — the fundamental scientific knowledge, the practices scientists and engineers use to explain the world or solve problems, and scientific thinking across disciplines.

You are encouraged to use this report to start a conversation your child's teacher about their progress in school.

Your Child's Score
 On the second page of the report, you will see your child's overall score and performance level. Results for each EOC exam were reported in separate family reports.

Performance Levels
 If your child's score is in the Standard Exceeded or Standard Met range, then your child has met the standards for that course. If your child's score is in the Standard Nearly Met or Standard Not Met range, then your child has not met the standards for that course.

Doe, Jennifer
 Student ID: 99999999 | Student DOB: 11/11/2005 | Enrolled On: 10/1/2021 | Date Taken: 4/26/2021

Performance: Level 3 - Standard Met **Scale Score:** 512±10

How Did Your Child Do on the Test?

600	Meets State Standard	Level 4 - Standard Exceeded The student has exceeded expectations in applying the core ideas of biology and using the science and engineering practices as well as the crosscutting concepts within science to explain phenomena in the natural and the designed world. The student demonstrates scientific literacy, the ability to engage in discussions on science-related issues, and to continue to learn science throughout their life.
527		Level 3 - Standard Met The student has met expectations in applying the core ideas of biology and using the science and engineering practices as well as the crosscutting concepts within science to explain phenomena in the natural and the designed world. The student demonstrates scientific literacy, the ability to engage in discussions on science-related issues, and to continue to learn science throughout their life.
500		Level 2 - Standard Nearly Met The student is approaching expectations in applying the core ideas of biology and using the science and engineering practices as well as the crosscutting concepts within science to explain phenomena in the natural and the designed world. The student demonstrates some level of scientific literacy and some ability to engage in discussions on science-related issues and to continue to learn science throughout their life.
475		Level 1 - Standard Not Met The student has not met expectations in applying the core ideas of biology and using the science and engineering practices as well as the crosscutting concepts within science to explain phenomena in the natural and the designed world. The student demonstrates partial scientific literacy and limited ability to engage in discussions on science-related issues and will need to build further skills to continue to learn about science throughout their life.
400	Does Not Meet State Standard	

Score
512 ±10

How Does Your Child's Score Compare?

Name	Average Score
Hawaii Department of Education	489
Training Complex Area -A	490±
Demo School Group 2	490±
Kula a'o Hawai'i	490±

Information on Standard Error of Measurement

A student's score is best interpreted when it is compared to the score range of other students that the student's knowledge and skills fall within. For example, a score range of 2300 (±10) indicates a score range of 2290 and 2310.

Cut Scores

Cut scores were determined for each subject assessed. The displayed values indicate the minimum score a student must achieve to place in the Standard Not Met, Standard Nearly Met, Standard Met, or Standard Exceeded categories.

Standard Error of Measurement

A student's score is best interpreted when recognizing that the student's knowledge and skills fall within a score range and not just a precise number. For example, 512 (±10) indicates a score range between 502 and 522.

Individual Student Report

Doe, Jennifer

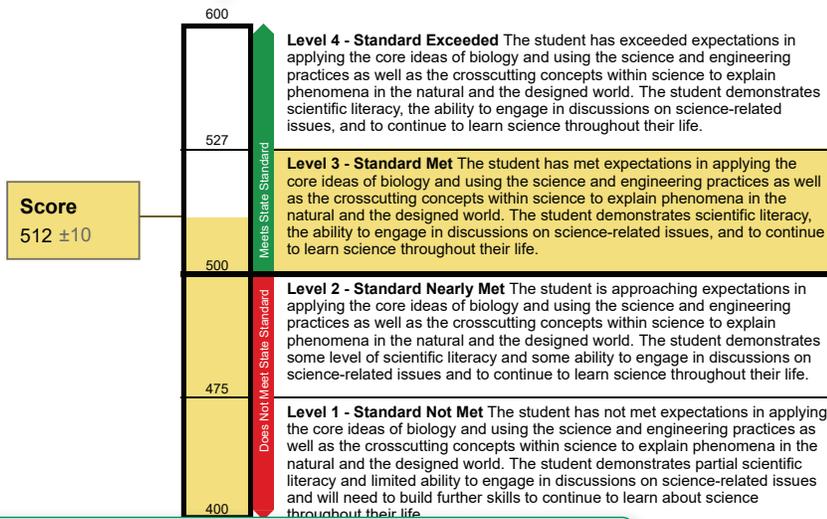
Student ID: 99999999 | Student DOB: 12/12/2005 | Enrolled Grade: Grade 10
Date Taken: 4/26/2021

Biology 1 EOC (NGSS) 2020-2021

Training Complex Area - A
Demo School Group 2
Kula a'o Hawai'i

Performance: Level 3 - Standard Met **Scale Score:** 512±10

How Did Your Child Do on the Test?



How Does Your Child's Score Compare?

Name	Average Scale Score
Hawaii Department of Education	489
Training Complex Area -A	490±1
Demo School Group 2	490±1
Kula a'o Hawai'i	490±1

Information on Standard Error of Measurement

Comparison Scores

Your child's score is compared to the average score for the State of Hawai'i for that exam.

Reporting Category Assessed

This section describes how your child performed on each reporting category of the EOC exam.

Black dot indicates the likely scores your student

Below Standard At/Near Standard Above Standard

Category	Performance	Performance Level	Performance level Description
Ecosystems: Interactions, Energy and Dynamics			This domain includes: <ul style="list-style-type: none"> Constructing explanations of the flow of energy and the cycling of matter through ecosystems and developing models to illustrate the cycling of carbon on Earth; Investigating the role of biodiversity in ecosystems and using data to determine organisms' interactions with each other and their environment; and, Designing, evaluating, and refining solutions for reducing the impacts of human activities on the environment.
From Molecules to Organisms: Structures and Processes			This domain includes: <ul style="list-style-type: none"> Investigating the structure and function of cells as the basic units of life; Using models to demonstrate systems within organisms which support life processes, and the role of specialized cells for maintenance and growth; and, Evaluating data to construct an explanation for cellular respiration as a process that moves energy and matter through an organism.
Heredity and Evolution			This domain includes: <ul style="list-style-type: none"> Using a model to illustrate the role of cellular division and differentiation in complex organisms; Analyzing and explaining inheritance, the source of gene mutation and

Score Information

Your child's performance in each area of the test is displayed in the bar chart. The black dot indicates your child's score on each category. The whisker plot that runs through the score dot shows the range at which your child will perform if he or she took the test multiple times. There is an explanation of what your child is able to do in each area.

Doe, Jennifer

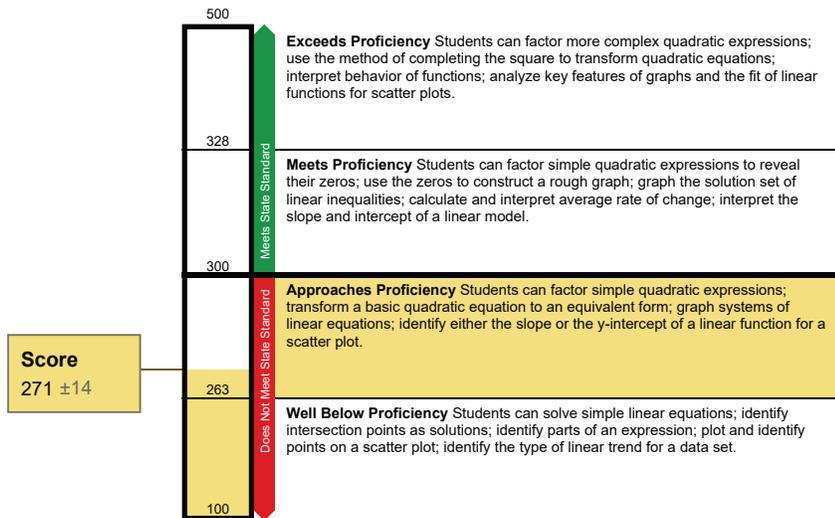
Student ID: 99999999 | Student DOB: 12/12/2005 | Enrolled Grade: Grade 10
Date Taken: 4/26/2021

Algebra 1 EOC 2020-2021

Training Complex Area - A
Demo School Group 2
Kula a'o Hawai'i

Performance: Approaches Proficiency **Scale Score:** 271±14

How Did Your Child Do on the Test?



How Does Your Child's Score Compare?

Name	Average Scale Score
Hawaii Department of Education	298±2
Training Complex Area -A	313±6
Demo School Group 2	313±6
Kula a'o Hawai'i	308±6

Information on Standard Error of Measurement

A student's score is best interpreted when recognizing that the student's knowledge and skills fall within a score range and not just a precise number. For example, 2300 (±10) indicates a score range between 2290 and 2310.

How Did Your Child Perform on Different Areas of the Test?

The table and the graph below indicate student performance on individual reporting categories. The black dot indicates the student's score on each reporting category. The lines to the left and right of the dot show the range of likely scores your student would receive if he or she took the test multiple times.

Does Not Meet Proficiency
 Near Proficiency
 Meets or Exceeds Proficiency

Category	Performance	Performance Level	Performance level Description
Algebraic Concepts and Procedures			Does Not Meet Proficiency
Modeling and Problem Solving			Near Proficiency

Glossary of Terms/Definitions

Cut Scores: Selected points on the score scale of the EOC exams which are used to classify student performance into one of four performance levels.

Performance Level: Performance levels represent levels of mastery with respect to either the Common Core State Standards (CCSS) or the Hawai'i Content and Performance Standards, Third Edition (HCPS III) for an EOC exam.

Performance Standard: Specific course content that is assessed for accountability purposes.

Reporting Categories: EOC exam subscores related to different instructional areas included in a course.

Reporting Category Descriptors: These descriptors are a summary of what students within each reporting category are expected to know and be able to do.

Scale Scores: Scale scores are statistically converted scores using the number of items students answer correctly and the difficulty of the items presented. Scale scores from different sets of items can be compared. Scale scores can be added, subtracted, and averaged across students.

Summative EOC Exam: Exam provides information on students' mastery of content knowledge and skills at the end of a course.

Additional Resources

Each of the links provided below can also be accessed at alohahsap.org on the EOC Exams homepage via the Resources page link.

Biology Resources

[Test Blueprint for Biology 1 EOC Exam](#)

[More Information on Next Generation Science Standards](#)

[Student Practice Test](#)

Algebra 1 Resources

[Test Blueprint for Algebra 1 EOC Exam](#)

[Test Training Site](#)

[EOC Exams Information and Parent Resources](#)