

SCIENCE

The Science Standards are designed to provide foundational knowledge and skills for all students to develop proficiency in science. The Project 2061's *Benchmarks for Science Literacy* and the follow up work, *A Framework for K-12 Science Education* were used as the core of the standards to determine appropriate content and process skills for students. The Standards focus on a limited number of core disciplinary ideas and crosscutting concepts which build from Kindergarten to high school. The standards are written with the core knowledge to be mastered integrated with the science and engineering practices needed to engage in scientific inquiry and engineering design. Crosscutting concepts are used to make connections across different science disciplines. The standards are a required minimum set of expectations that show proficiency in science. However, instruction can extend beyond these minimum expectations to meet student needs. At the same time, these standards set a maximum expectation on what will be assessed by the Georgia Milestones Assessment System.

College and Career Ready Performance Index

- Includes science as one of its indicators under the Content Mastery category.

Assessment

- The EOG state assessments will only be administered in fifth and eighth grades. The EOC state assessments will be administered in biology and physical science.
- Both EOC and EOG will include norm-referenced items at every grade level to provide a national comparison.
- Study guides, assessment guides and content weights for EOC and EOG are available on the Testing/Assessment page of the GaDOE.org website.

Fourth Science Requirement

- One unit of biology (26.01200) is required, one unit of Physical Science (40.01100) or Physics (40.08100), one unit of Chemistry (40.05100), Earth Systems (40.06200), Environmental Science (26.06100), or an AP/IB course, and one other science from the approved list of science and/or CTAE courses identified on the List of State Funded Courses and K-8 Subjects Rule (160-4-2-.20).

Fourth Science Options

- In addition to the traditional science courses, the Board of Education has approved the use of some CTAE courses as possible fourth science options. Some of these CTAE courses have also been approved by the Board of Regents to be accepted as a science for students applying for admission to four-year colleges and/or universities.
- Students enrolled in the Dual Enrollment program can use approved science courses taken at the College or University to satisfy a science core requirement. If such a course is aligned to a particular high school core course, it will have the same high school course number. If such a course is a fourth science option but not aligned to any science high school course, it has been given a dual enrollment number starting with 26 or 40 and contains a letter.

Educator Resources

- Curriculum maps supporting science content and instruction for grades K-12 are posted in the SLDS – TRL- Essential Toolkit and on the Georgia Standards of Excellence tab on the GeorgiaStandards.org website. Additional resources are continuing to be developed and will be added to this site as they become available.
- Twelve fourth science course options were revised and approved by the SBOE in July 2019 for implementation in 2020-2021.

Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST)

- The PAEMST is the highest recognition that a K-12 mathematics or science teacher may receive for outstanding teaching in the United States. This year we are looking for outstanding K-6 science and computer science teachers. You can nominate a teacher at (<http://www.paemst.org>). Nominations will open in the fall of 2019.

Contact Information

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