
Science, Technology, Engineering & Mathematics Course Standards

The Background:

Rules, Regulations, and Minimum Standards of the State Board of Education 0520-01-03-.05(1) calls for the State Board of Education to adopt curriculum standards for each subject area, grades K-12. The approved standards are to be the basis for planning instructional programs in each local school system. Adopted textbooks are also to be aligned with the state curriculum standards. Section 3.205 Approved High School Courses of the State Board of Education Policy identifies those courses which have been approved by the Board for instruction across the state.

The Department of Education's Division of Career and Technical Education (CTE) is proposing two new courses in the Science, Technology, Engineering & Mathematics (STEM) career cluster. This item includes the standards for these two new courses for middle school students.

Courses included in this item:

Automation and Robotics (PLTW)	New Course
Design & Modeling (PLTW)	New Course

Since first reading of the standards included in this item, the CTE Division has accepted feedback from STEM educators, CTE Directors, and industry experts via the CTE.Questions@tn.gov email address and through individual communications. Feedback received on the STEM standards validated the direction of these courses. The following changes have been made to the item since first reading.

- Made slight formatting updates for consistency across documents.
- Updated teacher endorsement list to reflect the 2014-15 Correlation of Course Codes Guide.

The Recommendation:

The Department of Education recommends adoption of this item on final reading. The SBE staff concurs with this recommendation.