
Technological Design Curriculum Standards

The Background:

Curriculum frameworks are mandated by Rules, Regulations, and Minimum Standards of the State Board of Education (Section 0520-01-03-.05, State Curriculum, Requirement D).

Technological Design is developed to be a tenth grade level course for students who have an interest in careers pertaining to Engineering and Technology, an aspect of Science, Technology, Engineering, and Math (STEM) education. This course provides students with a foundation in such areas as systems thinking; design, sketching, and drawing; and solving problems. The addition of this course will align this program of study with updated national/international standards.

Within this course students will apply technology, science, and math concepts and skills to solve authentic engineering design problems and invent or innovate designs using engineering systems approach along with technical drawing and computer aided design.

The Recommendation:

The Department of Education recommends acceptance of the standards on first reading. The SBE staff concurs with this recommendation.