
Inventions and Innovations 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).

The course Invention and Innovation prepares students with opportunities to apply the design process in the invention or innovation of a new product, process, or system. It provides for increased integration of math, science, and technology—critical components of Science, Technology, Engineering, and Math (STEM), which will provide for increased alignment with the common core.

Students will participate in engineering-design activities to understand how criteria, constraints, and processes affect designs. They will be involved in activities and experiences where they learn about brainstorming, visualizing, modeling, constructing, testing, experimenting, and refining designs. Students also develop skills in researching for information, communicating design information, and reporting results.

This course, designed for seventh grade students, will replace an existing course currently entitled Inventions and Innovations. The new curriculum standards align to revisions at both the national and international levels.

The Recommendation:

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