

Core 40 Committee

December 17, 2014

Guiding Questions

- * What states require an Education Technology course or standards for graduation?
- * What content is included in some those courses and standards?
- * What technology skills are required of students to be college and career ready?
- * Are technology skills something that should be required of high school course, required before students reach high school, or skills that can be attained outside a required class?

Maryland

- * Requires students to earn a Technology Education credit in order to graduate.
- * Developed a Technology Education curriculum that is voluntary for districts
 - * This curriculum begins at the sixth grade and has 5 overarching standards that are taught each year.
 - * We are still waiting to hear back from Maryland about participation rates and specific requirements for the Technology Education credit for districts choosing not to participate in the state curriculum.

Curriculum Overview

- * Nature of Technology – develop an understanding of the nature, characteristics and scope of technology
- * Impact of Technology – develop abilities to assess the impact of products and systems of technology
- * Engineering Design and Development – develop an understanding of the attributes of design
- * Core Technologies – describe the functioning and applications of core technologies applied in common technology systems
- * The Designed World – explore the major enterprises that produce goods and services of the designed world

Courses Aligned to Curriculum

- * **6th grade** – Exploring Technology
- * **7th grade** – Invention and Innovation
- * **8th grade** – Technological Systems
- * **High School course** (9th – 12th grade) – Foundations of Technology
- * **High School additional courses** (Advanced Curriculum) - Impacts of Technology and Technological Issues
- * Additional information along with the standards for each course can be found at:
http://www.marylandpublicschools.org/msde/divisions/careertech/career_technology/voluntary_curriculum/index.html

Other states technology education requirements

- * **Delaware** - Prior to the graduating class of 2011 Delaware required 1 Carnegie unit of “computer literacy.” Effective for the class of 2011 and beyond this requirement was transferred to the middle school curriculum.
- * **Kentucky** – No credit requirement, but students must demonstrate performance-based proficiency in technology.
- * **Minnesota** – Technology and information literacy standards must be embedded into graduation requirements.
- * **Nevada** - .5 credits in Use of Computers, may demonstrate proficiency in middle school.
- * **South Carolina** – 1 credit of Computer Science, including keyboarding.
- * **Utah** - .5 credits Computer Technology; may demonstrate proficiency through competency exam.