

Michigan Integrated Technology Competencies for Students (MITECS)

Educator One Page Overview

It is incumbent on us to prepare students for success in career, college, and community; and appropriate use of technology is critical. In the past, technology standards have focused more on technology tools than teaching. The focus now is on the skills students must develop to face a future that is unknown. Technology competencies should no longer be taught as a separate class, but rather integrated across the content areas enhancing learning. Many Michigan teachers are already taking this approach.

The new Michigan Integrated Technology Competencies for Students (MITECS), recommended by a group of Michigan educational technology stakeholders in 2017, replace the 2009 Michigan Educational Technology Standards for Students (METS-S). These new competencies focus on learning enhanced by technology, rather than technology tools. The MITECS are adapted from and directly aligned to the 2016 International Society of Technology in Education (ISTE) Standards for Students. These are internationally recognized educational technology standards with which the METS-S have also historically been aligned.

The MITECS will further enhance learning across the content areas, focusing on integrated implementation rather than technology. Many teachers are already integrating technology in ways that allow for students to cultivate these competencies. The ways in which you are currently incorporating technology into instruction may already address many of the MITECS. The integration of MITECS into teaching and learning should not be burdensome, but rather a natural extension of deeper learning and rich, transformational instruction.

The MITECS are available at <http://www.techplan.org/mitecs/>.

Additional resources to assist with classroom level implementation:

- [Age Band Articulation](#) which specifies how the competencies can be incorporated into teaching and learning activities at various age band/grade levels
- [Scenarios](#) which showcase the MITECS implemented in an integrated setting within academic context
- [Technology Scope and Sequence](#) which is a grade level breakdown of required technology skill development (beginning, developing, secure) that students must have to demonstrate competency
- [ISTE Seal of Alignment](#) (Note: Not all aligned resources are aligned to the 2016 ISTE Student Standards, see information regarding date awarded)
 - Student curriculum and learning resources
 - Educator resources
 - University programs
 - Assessments
- [ISTE Standards in Action blog](#)
 - [Citizenship in the Digital Age Infographic](#)
 - [Proactive not protective! Digital citizenship should empower students](#)
 - [Turn passive learners into leaders by letting students teach!](#)
 - [Student empowerment – from vision to practice](#)

- [Tools to Support Digital Learning](#) – non-exhaustive list

Currently there is no separate assessment for mastery of the MITECS. Successful mastery of the MITECS should be observable in student achievement within the core content areas.