

Michigan Educational Technology Standards (METS) 2009 - 6th to 8th Checklist

Grades Six through Eight – Technology Standards and Expectations – (prior to completing Grade 8)

6_8.CI. Creativity and Innovation – By the end of Grade 8 each student will:

1. apply common software features (e.g., spellchecker, thesaurus, formulas, charts, graphics, sounds) to enhance communication with an audience and to support creativity
2. create an original project (e.g., presentation, web page, newsletter, information brochure) using a variety of media (e.g., animations, graphs, charts, audio, graphics, video) to present content information to an audience
3. illustrate a content-related concept using a model, simulation, or concept-mapping software

6_8.CC. Communication and Collaboration – By the end of Grade 8 each student will:

1. identify effective uses of technology to support communication with peers, family, or school personnel

6_8.RI. Research and Information Fluency – By the end of Grade 8 each student will:

1. use a variety of digital resources to locate information
2. evaluate information from online resources for accuracy and bias
3. understand that using information from a single internet source might result in the reporting of erroneous facts and that multiple sources should always be researched
4. identify types of web sites based on their domain names (e.g., edu, com, org, gov, net)
5. employ data-collection technologies (e.g., probes, handheld devices, GPS units, geographic mapping systems) to gather, view, and analyze the results for a content-related problem

6_8.CT. Critical Thinking, Problem Solving, and Decision Making - By the end of Grade 8 each student will:

1. use databases or spreadsheets to make predictions, develop strategies, and evaluate decisions to assist with solving a problem
2. evaluate available digital resources and select the most appropriate application to accomplish a specific task (e, g., word processor, table, outline, spreadsheet, presentation program)
3. gather data, examine patterns, and apply information for decision making using available digital resources
4. describe strategies for solving routine hardware and software problems

6_8.DC. Digital Citizenship – By the end of Grade 8 each student will:

1. provide accurate citations when referencing information sources
2. discuss issues related to acceptable and responsible use of technology (e.g., privacy, security, copyright, plagiarism, viruses, file-sharing)
3. discuss the consequences related to unethical use of information and communication technologies
4. discuss possible societal impact of technology in the future and reflect on the importance of technology in the past
5. create media-rich presentations for other students on the appropriate and ethical use of digital tools and resources
6. discuss the long term ramifications (digital footprint) of participating in questionable online activities (e.g., posting photos of risqué poses or underage drinking, making threats to others)
7. describe the potential risks and dangers associated with online communications

6_8.TC. Technology Operations and Concepts - By the end of Grade 8 each student will:

1. identify file formats for a variety of applications (e.g., doc, xls, pdf, txt, jpg, mp3)
2. use a variety of technology tools (e.g., dictionary, thesaurus, grammar-checker, calculator) to maximize the accuracy of technology-produced materials
3. identify a variety of information storage devices (e.g., CDs, DVDs, flash drives, SD cards) and provide rationales for using a certain device for a specific purpose
4. use accurate technology terminology

5. use technology to identify and explore various occupations or careers, especially those related to science, technology, engineering, and mathematics
6. discuss possible uses of technology to support personal pursuits and lifelong learning
7. understand and discuss how assistive technologies can benefit all individuals

Web Resources:

Each of the ISTE resources are © 2007 International Society for Technology in Education.

[ISTE NETS for Students 2007](#)

[ISTE NETS for Students 2007 – Profiles for Technology \(ICT\) Literate Students](#)

[ISTE NETS for Students 2007 – Essential Conditions](#)

All of the following resources are © 2004 Partnership for 21st Century Skills.

[Framework for 21st Century Learning](#) – The Partnership for 21st Century Skills has developed a vision for 21st century student success in the new global economy.

[21st Century Standards](#)

[21st Century Assessment](#)

[21st Century Curriculum & Instruction](#)

[21st Century Professional Development](#)

[21st Century Learning Environments](#)