

Overview of Content and Performance for Standard 1 Technology

STANDARD: A student must use digital tools and resources for problem solving and decision making.

LEARNING EXPECTATIONS IN CURRICULUM BENCH MARK

Grade 5	Grade 6	Grade 7/8	Eighth Grade
T51.0 T52.0 T53.0 T54.1	T61.0 T62.0 T63.0 T64.1	T7/81.0 T7/82.0 T7/83.0 T7/84.1	1. Use multiple approaches to explore alternative solutions;
T51.0 T53.0	T61.0 T63.0	T7/81.0 T7/83.0	2. Collect relevant data and information on a subject from a variety of digital resources;
T51.0 T52.0 T53.0	T61.0 T62.0 T63.0	T7/81.0 T7/82.0 T7/83.0	3. Analyze and ethically use data and information from digital resources;
T51.0 T53.0	T61.0 T63.0	T7/81.0 T7/83.0	4. Compare accuracy, diversity, relevance and point of view, including Montana American Indians, of digital information;
T51.0 T52.0 T53.1 T53.4	T61.0 T62.0 T63.1 T63.4	T7/81.0 T7/82.0 T7/83.1 T7/83.3	5. Share data and information ethically and appropriately cite sources.

Overview of Content and Performance for Standard 2 Technology

STANDARD: A student must collaborate and communicate globally in a digital environment.

LEARNING EXPECTATIONS IN CURRICULUM BENCH MARK

Grade 5	Grade 6	Grade 7/8	Eighth Grade
T51.0 T52.0 T53.1-4	T61.0 T62.0 T63.1-4	T7/81.0 T7/82.0 T7/83.1-3	1. Select and use online collaboration and communication tools;
T51.0 T52.0 T53.1-4	T61.0 T62.0 T63.1-4	T7/81.0 T7/82.0 T7/82.0	2. Use digital collaboration and communication tools in a safe, legal, and responsible manner;
T51.0 T52.0 T53.1-4	T61.0 T62.0 T63.1-4	T7/81.0 T7/82.0 T7/83.1-3	3. Communicate the results of research and learning with others using digital tools;
T51.3 T52.0 T53.1-4	T61.3, 6 T62.0 T63.1-4	T7/81.3, 6 T7/82.0 T7/83.1-3	4. Use technology in a global learning environment.

Overview of Content and Performance for Standard 3 Technology

STANDARD: A student must apply digital tools and skills with creativity and innovation to express his/herself, construct knowledge and develop products and processes.

LEARNING EXPECTATIONS IN CURRICULUM BENCH MARK

Grade 5	Grade 6	Grade 7/8	Eighth Grade
T51.0 T52.0 T53.0	T61.0 T62.0 T63.0	T7/81.0 T7/82.0 T7/83.0	1. Apply a variety of digital tools for personal and group expression;
T51.0 T52.1 T53.0	T61.0 T62.1 T63.0	T7/81.0 T7/82.1 T7/83.0	2. Use a variety of digital tools to create a product;
T51.0 T52.0 T53.0	T61.0 T62.0 T63.0	T7/81.0 T7/82.0 T7/83.0	3. Use technology to recognize trends and possible outcomes;
T52.4-5	T62.4-5	T7/82.4-5	4. Examine the relationship of copyright to ownership of digital media.
T51.0 T53.0 T54.0	T61.0 T63.0 T64.0	T7/81.0 T7/82.0 T7/83.0	5. Use digital tools and skills to construct new personal understandings.

Overview of Content and Performance for Standard 4 Technology

STANDARD: A student must possess a functional understanding of technology concepts and operations.

LEARNING EXPECTATIONS IN CURRICULUM BENCH MARK

Grade 5	Grade 6	Grade 7/8	Eighth Grade
T51.0 T52.0 T53.0 T54.0	T61.0 T62.0 T63.0 T64.0	T7/81.0 T7/82.0 T7/83.0 T7/84.0	1. Apply and refine the skills needed to use communication, information and processing technologies;
T53.3 T54.0	T63.3 T64.0	T7/84.0	2. Use appropriate terminology when communicating about current technology;
T51.0 T53.0 T54.0	T61.0 T63.0 T64.0	T7/81.0 T7/83.0 T7/84.0	3. Transfer current knowledge to learning of new technology skills.

Technology Course Content for Fifth Grade

Key:

The coded Learning Expectations in Curriculum are detailed on the accompanying sheet labeled **TECHNOLOGY/ FIFTH GRADE** Course Content. When the code is followed by .0, the entire Course Content applies. If the code is detailed with a .#, then that particular portion of the Content applies specifically.

ACE Course Abilities for INFORMATION & TECHNOLOGY /FOURTH GRADE defined below applies to each of the **Bench Marks** though they are not specifically listed.

ACE Course Abilities for Technology/Fifth Grade - to be applied to Content Standards:

Develop abilities in preparation for the world of work appropriate for the grade level

- A. Higher thinking (analyze, evaluate, classify, predict, estimate, generalize, solve, decide, relate, interpret, simplify).
- B. Communications (present, demonstrate, persuade, collaborate, explain, defend, recommend).
- C. Goal setting/attainment (brainstorm, envision, research, plan, organize, persist).
- D. The quality process (plan, draft, analyze, and revise when producing products).

Technology for Fifth Grade Course Content

T51.0 A student must use digital tools and resources for problem solving and decision-making.

- .1 Use word processing applications understand and use the cursor, select text, center text, change font, size, style and color, preview, print, save documents, insert graphics, and set margins.
- .2 Use appropriate technologies for a specific task using various technologies such as scanner, digital video camera digital camera, telephone, television projectors, DVD players, interactive white boards, PDA, MP3 player, iPods, etc.
- .3 Participate in individual and/or group multimedia projects (i.e. presentation software)
- .4 Continue use of electronic graphs, charts, and organizing tools (Inspiration, Timeline, etc.)

T52.0 A student must collaborate and communicate globally in a digital environment.

- .1 Continue to send and receive e-mail as a class and begin sending email independently.
- .2 Review district's/school's acceptable use policy.
- .3 Continue Internet safety.
- .4 Continue development of copyright and plagiarism concept involving text and graphics.
- .5 Be introduced to concept of proper citation.

T53.0 A student must apply digital tools and skills with creativity and innovation to express his/herself, construct knowledge and develop products and processes.

- .1 Continue participating in small group or individual research in problem solving activities using the computer as the tool and communicate the findings
- .2 Continue independent Internet searches using key words.
- .3 Use web browser tools independently.
- .4 Continue using online information resources independently (Library resources/databases)
- .5 Begin use of publication applications (i.e. Print Shop, Publisher, etc.)

T54.0 A student must process a functional understanding of technology concept and operations.

- .1 Begin using strategies for identifying and solving routine hardware and software problems that occur during everyday use such as restart the computer, check cables for power and network connectivity, choose printers appropriately.
- .2 Demonstrate appropriate care and use of computer and peripheral devices; proper removal of portable drives.

Course Content (cont.)

- .3 Continue to work within the Desktop environment including the following: identify drive icons (examples: C Drive, D Drive, etc.), documents applications, folders, and launch applications; access the Internet, use menus; delete files; use the scroll bars; select, deselect, select all, copy, cut, and paste; launch and use multiple programs using task bar (minimize/maximize).
- .4 Continue formal keyboarding.
- .5 Practice use of right click mouse menu.
- .6 Review save, save as, and how to retrieve documents to and from a specific location; create files and folders.
- .7 Be introduced to file extensions such as jpg, gif, doc, txt, ppt, pdf, docx, pptx, etc.

Technology Course Content for Sixth Grade

Key:

The coded Learning Expectations in Curriculum are detailed on the accompanying sheet labeled **TECHNOLOGY/ SIXTH GRADE** Course Content. When the code is followed by .0, the entire Course Content applies. If the code is detailed with a #, then that particular portion of the Content applies specifically.

ACE Course Abilities for INFORMATION & TECHNOLOGY /FOURTH GRADE defined below applies to each of the **Bench Marks** though they are not specifically listed.

ACE Course Abilities for Technology/Sixth Grade - to be applied to Content Standards:

Develop abilities in preparation for the world of work appropriate for the grade level

- A. Higher thinking (analyze, evaluate, classify, predict, estimate, generalize, solve, decide, relate, interpret, simplify).
- B. Communications (present, demonstrate, persuade, collaborate, explain, defend, recommend).
- C. Goal setting/attainment (brainstorm, envision, research, plan, organize, persist).
- D. The quality process (plan, draft, analyze, and revise when producing products).

Course Content -Technology for Sixth Grade

T61.0 A student must use digital tools and resources for problem solving and decision-making.

- .1 Use word processing applications understand and use the cursor, select text, center text, change font, size, style and color, preview, print, save documents, insert graphics, set margins, and create tables.
- .2 Use appropriate technologies for a specific task using various technologies such as scanner, digital video camera digital camera, telephone, television projectors, DVD players, interactive white boards, PDA, MP3 player, iPods, etc.
- .3 Participate in individual and/or group multimedia projects using presentation software
- .4 Continue use of electronic graphs, charts, and organizing tools (Inspiration, Timeline, etc.).
- .5 Be introduced to spreadsheet applications
- .6 Be introduced to Web 2.0 tools: blogs, podcasts, and wikis

T62.0 A student must collaborate and communicate globally in a digital environment.

- .1 Continue to send and receive email independently.
- .2 Review district's/school's acceptable use policy.
- .3 Expand Internet safety to include advertisement awareness and social networking
- .4 Continue development of copyright and plagiarism concept involving text, graphics, and music.
- .5 Continue use of proper citation.

T63.0 A student must apply digital tools and skills with creativity and innovation to express his/herself, construct knowledge and develop products and processes.

- 1 Continue participating in small group or individual research in problem solving activities using the computer as the tool and communicate the findings
- .2 Refine Internet searches using key words.
- .3 Continue using web browser tools independently.
- .4 Continue using online information resources independently (Library resources/databases, Infotrack, online encyclopedias, online dictionaries)
- .5 Continue using publication applications (i.e. Print Shop, Publisher, etc.)

T64.0 A student must process a functional understanding of technology concept and operations.

- .1 Practice strategies for identifying and solving routine hardware and software problems that occur during everyday use such as restart the computer, check cables for power and network connectivity, choose printers appropriately.
- .2 Demonstrate appropriate care and use of computer and peripheral devices; proper removal of portable drives.

Course Content (cont.)

- .3 Continue to work within the Desktop environment including the following: identify drive icons (examples: C Drive, D Drive, etc.), documents applications, folders, and launch applications; access the Internet, use menus; delete files; use the scroll bars; select, deselect, select all, copy, cut, and paste; launch and use multiple programs using task bar (minimize/maximize).
- .4 Reinforce formal keyboarding skills/technique.
- .5 Practice use of right click mouse menu.
- .6 Review save, save as, and how to retrieve documents to and from a specific location; create and manage files and folders.
- .7 Review file extensions such as jpg, gif, doc, txt, ppt, pdf, docx, pptx, and be introduced to midi, mov, and wmv.

Technology Course Content for Seventh/Eighth Grade

Key:

The coded Learning Expectations in Curriculum are detailed on the accompanying sheet labeled **TECHNOLOGY/ SEVENTH-EIGHTH GRADE** Course Content. When the code is followed by .0, the entire Course Content applies. If the code is detailed with a #, then that particular portion of the Content applies specifically.

ACE Course Abilities for INFORMATION & TECHNOLOGY /FOURTH GRADE defined below applies to each of the **Bench Marks** though they are not specifically listed.

ACE Course Abilities for Technology - Seventh/Eighth Grade - to be applied to Content Standards:

Develop abilities in preparation for the world of work appropriate for the grade level

- A. Higher thinking (analyze, evaluate, classify, predict, estimate, generalize, solve, decide, relate, interpret, simplify).
- B. Communications (present, demonstrate, persuade, collaborate, explain, defend, recommend).
- C. Goal setting/attainment (brainstorm, envision, research, plan, organize, persist).
- D. The quality process (plan, draft, analyze, and revise when producing products).

Technology for Seventh/Eighth Course Content

T7/81.0 A student must use digital tools and resources for problem solving and decision-making.

- .1 Use word processing applications understand and use the cursor, select text, center text, change font, size, style and color, preview, print, save documents, insert graphics, set margins, and create tables.
- .2 Use appropriate technologies for a specific task using various technologies such as scanner, digital video camera digital camera, telephone, television projectors, DVD players, interactive white boards, PDA, MP3 player, iPods, etc.
- .3 Participate in individual and/or group multimedia projects using presentation software.
- .4 Continue use of electronic graphs, charts, and organizing tools (Inspiration, Timeline, etc).
- .5 Continue use of spreadsheet applications
- .6 Expand introduction of Web 2.0 tools: blogs, podcasts, wikis, social bookmarking, RSS, etc.

T7/82.0 A student must collaborate and communicate globally in a digital environment.

- .1 Continue to send and receive email independently.
- .2 Review district's/school's acceptable use policy.
- .3 Review Internet safety and include advertisement awareness and social networking.
- .4 Continue development of copyright and plagiarism concept involving text, graphics, music, and video.
- .5 Continue use of proper citation.

T7/83.0 A student must apply digital tools and skills with creativity and innovation to express his/herself, construct knowledge and develop products and processes.

- .1 Continue participating in small group or individual research in problem solving activities using the computer as the tool and communicate the findings
- .2 Practice independent Internet searches using key words.
- .3 Continue using online information resources independently (Library resources/databases, Infotrack, online encyclopedias, online dictionaries)
- .4 Expand use of publication applications (i.e. Print Shop, Publisher, etc.)

T7/84.0 A student must process a functional understanding of technology concept and operations.

- .1 Identify and solve routine hardware and software problems that occur during everyday use such as restart the computer, check cables for power and network connectivity, choose printers appropriately.
- .2 Demonstrate appropriate care and use of computer and peripheral devices; proper removal of portable drives.
- .3 Work within the Desktop environment independently.

Course Content (cont.)

- .4 Practice formal keyboarding skills/technique.
- .5 Review save, save as, and how to retrieve documents to and from a specific location; create and manage files and folders.
- .6 Review file extensions such as jpg, gif, doc, txt, ppt, pdf, docx, pptx, midi, mov, and wmv.