# Technology Education

Based on the [Wisconsin Standards for Information and Technology Literacy](https://dpi.wi.gov/sites/default/files/imce/imt/pdf/ITLStandardsFINALADOPTED_1.PDF) (2017).

Information and Technology Literacy is the ability of an individual, working independently or with others, to use tools, resources, processes, and systems responsibly to access and evaluate information in any medium, and to use that information to solve problems, communicate clearly, make informed decisions, and construct new knowledge, products, or systems.

## 1. EMPOWERED LEARNING

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students to leverage digital tools and strategies to take an active role in choosing and achieving their  learning goal:* |  |  |  |
| 1a. Set goals and reflect. | ☐ | ☐ |  |
| 1b. Build a network to support learning. | ☐ | ☐ |  |
| 1c. Create personalized learning environment. | ☐ | ☐ |  |
| 1d. Seek and utilize feedback. | ☐ | ☐ |  |
| *Guides students to understand the fundamental concepts of technology operations and demonstrate  the ability to choose, use, and troubleshoot  current technologies:* |  |  |  |
| 1e. Understand and apply functions  and operations. | ☐ | ☐ |  |
| *Guides students to be able to transfer knowledge to explore emerging technologies:* |  |  |  |
| 1f. Transfer knowledge to emerging technology. | ☐ | ☐ |  |

## 2. DIGITAL CITIZEN

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students to recognize the rights, responsibilities, and opportunities of living, learning, and working in an interconnected digital world:* |  |  |  |
| 2a. Cultivate and manage digital identity and reputation. | ☐ | ☐ |  |
| 2b. Manage personal data to maintain digital privacy and security. | ☐ | ☐ |  |
| *Guides students to demonstrate an understanding of and respect for the rights and obligations of using and sharing intellectual property:* |  |  |  |
| 2c. Use information, media, and digital resources in a responsible manner. | ☐ | ☐ |  |
| 2d. Respect intellectual property rights. | ☐ | ☐ |  |
| 2e. Recognize the rights and responsibilities of intellectual freedom in a democratic society. | ☐ | ☐ |  |

## 3. KNOWLEDGE CONSTRUCTOR

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students to critically curate a variety of digital tools and diverse resources* |  |  |  |
| 3a. Plan and employ effective  research strategies. | ☐ | ☐ |  |
| 3b. Evaluate the accuracy, perspective, credibility, and relevance of information, media, data or other resources. | ☐ | ☐ |  |
| 3c. Curate information from digital resources. | ☐ | ☐ |  |
| *Guides students to produce creative artifacts and make meaningful learning experiences from curated knowledge for themselves and others.* |  |  |  |
| 3d. Produce creative artifacts. | ☐ | ☐ |  |
| 3e. Build knowledge by actively exploring  real-world issues and problems. | ☐ | ☐ |  |

## 4. INNOVATIVE DESIGNER

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students use a variety of digital tools and resources to identify and solve authentic problems using design thinking.* |  |  |  |
| 4a. Find authentic problems in local  and global contexts. | ☐ | ☐ |  |
| 4b. Exhibit tolerance for ambiguity, perseverance, and the capacity to work  with authentic, open-ended problems. | ☐ | ☐ |  |
| *Guides students to use a variety of technologies  within a design process to create new, useful, and imaginative solutions.* | ☐ | ☐ |  |
| 4c. Know and use a deliberate design process for generating ideas, testing theories, and creating innovative artifacts and solutions. |  |  |  |
| 4d. Select and use digital resources to plan and manage a design process that considers design constraints and calculated risks. | ☐ | ☐ |  |
| 4e. Develop, test, and refine prototypes as part of a cyclical design process. | ☐ | ☐ |  |

## 5. COMPUTATIONAL THINKER

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students to develop and employ strategies for understanding and solving problems.* | ☐ | ☐ |  |
| 5a. Identify, define, and interpret problems where digital tools can assist in  finding solutions. | ☐ | ☐ |  |
| 5b. Collect data, then identify and use digital tools to analyze and represent the data to find solutions. | ☐ | ☐ |  |
| 5c. Break problems into smaller parts, identify key information, and develop descriptive models. | ☐ | ☐ |  |

## 6. CREATIVE COMMUNICATOR

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students to communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats, and digital media appropriate to their goals.* | ☐ | ☐ |  |
| 6a. Choose appropriate platforms and  digital tools. | ☐ | ☐ |  |
| 6b. Create or remix digital resources. | ☐ | ☐ |  |
| 6c. Communicate effectively using a variety of digital tools. | ☐ | ☐ |  |
| *Guides students to publish and present content customized for their audience(s), purpose, and task.* |  |  |  |
| 6d. Publish and present content. | ☐ | ☐ |  |

## 7. GLOBAL COLLABORATOR

| The candidate supports student learning  as per the WI Standards | Meets | Does Not Meet | Reviewer Feedback |
| --- | --- | --- | --- |
| *Guides students to use digital tools to broaden their perspectives and enrich their learning with culturally responsive practices by collaborating and working effectively with local and global teams.* | ☐ | ☐ |  |
| 7a. Use digital tools to connect with learners from a variety of backgrounds and cultures. | ☐ | ☐ |  |
| 7b.. Contribute constructively on project teams. | ☐ | ☐ |  |
| 7c. Contribute to the exchange of ideas within and beyond the learning community. | ☐ | ☐ |  |
| *Guides students to use digital tools to connect with a global network of learners and engage with issues that impact local and global communities.* |  |  |  |
| 7d. Use collaborative digital resources to examine issues and problems from diverse local and global perspectives. | ☐ | ☐ |  |
| 7e. Explore local and global issues and use collaborative digital resources to investigate and develop solutions. | ☐ | ☐ |  |

## APPLICABLE STIPULATIONS:

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