



## ISB Technology and Information Literacy Standards Grade 4

| Strand                              | Standard  | No.       | Benchmark  |
|-------------------------------------|---|-----------|--|
| <b>14.1 EFFECTIVE LEARNERS</b>      | 14.1.1 Students use appropriate tools to efficiently gather, critically evaluate, and effectively use information to make informed decisions when solving problems. | 14.1.1.17 | Identifies the inquiry focus and possible information sources. LEARNING TARGETS: a. Determine a research question. b. Identify information required to answer question. c. Brainstorm possible resources.  |
|                                     |   | 14.1.1.18 | Plans, conducts and manages structured searches for data and information. LEARNING TARGETS: a. Compare and contrast available search engines. b. Bookmark URL's and manage bookmarks.  |
|                                     |   | 14.1.1.19 | Scans, evaluates, analyzes and organizes information from a variety of sources, (including text, visual, audio & video) attributing information source appropriately. LEARNING TARGETS: a. Determine if information answers research question. b. Evaluate information for credibility (believability) and accuracy (up-to-date). c. Organize information by title, author and publication date. |
|                                     |   | 14.1.1.20 | Reflects on how and why the tools used have assisted the inquiry. LEARNING TARGET: a. Explain in what ways the tools used were helpful, not helpful.   |
| <b>14.2 EFFECTIVE COMMUNICATORS</b> | 14.2.1 Students use appropriate media to effectively communicate ideas, knowledge, and understanding to audiences ranging from local to global.                     | 14.2.1.14 | Clearly articulates main ideas to be communicated. LEARNING TARGETS: a. Determine main ideas. b. Select interesting details to support main ideas. c. Decide and justify order to communicate main ideas.  |
|                                     |   | 14.2.1.15 | Identifies clear purpose, specific audience, and the appropriate media for communication. LEARNING TARGETS: a. Determine purpose for communicating ideas. b. Select and justify intended audience. c. Select and justify tools.  |
|                                     |   | 14.2.1.16 | Presents ideas, understandings and information clearly, using effective design and layout. LEARNING TARGETS: a. Determine and justify layout to help the audience understand main ideas and why. b. Select and justify visuals to best represent main ideas. c. Select audio to help convey main ideas and explain why.  |
|                                     |   | 14.2.1.17 | Reflects, analyses and identifies ways to improve the effectiveness of digital communication. LEARNING TARGETS: a. Explain what worked well and why. b. Summarize what was learned. c. Determine what would be done differently next time and explain why.   |
| <b>14.3 EFFECTIVE CREATORS</b>      | 14.3.1 Students develop innovative solutions (responses, products and/or processes) using appropriate technology.   | 14.3.1.7  | Plans and develops innovative solutions (responses, processes and/or products). LEARNING TARGETS: a. Define the problem. b. List possible solutions. c. Explain in what ways varied solutions could solve the problem. d. Determine which solution will be developed and explain why.  |
|                                     |   | 14.3.1.8  | Documents evidence of new or improved learning at different stages of the planning and creation process. LEARNING TARGETS: a. Decide how to document learning. b. Decide how often to document learning and explain why. c. Determine what you would do next time when planning and creating.  |



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| <b>14.4 EFFECTIVE COLLABORATORS</b> | 14.4.1 Students connect with others to collaborate, develop their own understanding, contribute to the learning of others, and/or contribute to the global society using a variety of media and online communities. | 14.4.1.9  | Collaborates with others, locally and globally, to contribute to the learning of others, using a variety of media. <b>LEARNING TARGETS:</b> a. Determine what we can teach others. b. Plan who we will collaborate with and why. c. Determine the best way to teach others and explain why.   |
|                                     |   | 14.4.1.10 | Contributes ideas when collaborating with others, locally and globally, to improve the lives of others, using a variety of media. <b>LEARNING TARGETS:</b> a. Explain in what ways we could improve the lives of others. b. Determine who needs this kind of help and explain why. c. Determine the best way to help others in this area and explain why. |
|                                     |   | 14.4.1.12 | Connects with others, locally and globally, to develop desired skills and/or understandings using a variety of media. <b>LEARNING TARGETS:</b> a. State what you are trying to learn. b. Determine where we can go to find experts and how to connect with them. c. Explain how to find out what you need to know.  |
|                                     |   | 14.4.1.14 | Reflects on connections, collaborations and contributions. <b>LEARNING TARGETS:</b> a. Reflect on and justify what worked well. b. Explain the impact that was made and how we/you know. c. Reflect on how we/you helped others. d. Decide on and justify any future improvements.  |
| <b>14.5 ETHICAL CITIZENS</b>        | 14.5.1 Students practice legal and ethical behavior with an understanding of cultural and societal issues related to technology and information.  | 14.5.1.9  | Applies classroom agreements about safe, secure, responsible and respectful technology use, including ISB's Acceptable Use Policy. <b>LEARNING TARGETS:</b> a. State rules for using technology and explain their importance. b. Recognize to what extent these rules are /are not being followed.  |
|                                     |   | 14.5.1.10 | Routinely identifies owner/creator of information/media by attributing sources correctly. <b>LEARNING TARGETS:</b> a. Identify who "owns" the media/information. b. Recognize if the media/information can be used and explain how we know. c. Attribute media/information to its owner.  |
|                                     |   | 14.5.1.12 | Reflects on and analyzes the use and impact of technology on themselves and society. <b>LEARNING TARGET:</b> a. Recognize and justify in what ways has my use of technology positively and/or negatively impact our lives.  |