K-2.1 Create and innovate. The student uses creative thinking and innovative processes to construct knowledge and develop digital products. The student is expected to:

- **K-2.1.A** Create original products using a variety of resources.
- **K-2.1.B** Create original products using virtual environments, models, and programming languages to enhance learning.
- **K-2.1.C** Create original products using a variety of media, including font attributes, color, white space, vector graphics, video, and audio files.
- **K-2.1.D** Discuss trends and possible solutions.
- **K-2.1.E** Evaluate and modify steps to reinforce and promote learning.

K-2.2.C format digital information, learners of multiple cultures; environments to develop cultural awareness; peers locally and globally; allow for anytime, anywhere access to learning. The student is expected to:

- **K-2.2.A** Draft, edit, and publish products in different media individually and collaboratively.
- **K-2.2.B** Use first attributes, color, white space, and graphics to ensure that products are appropriate for multiple communication media, including monitor display, web, video, audio, and print.
- **K-2.2.C** Collaborate effectively through personal learning communities and social environments.
- **K-2.2.D** Communicate effectively with multiple audiences using a variety of media and formats; and
- **K-2.2.E** Create and maintain personal learning networks to collaborate and publish with peers, experts, or others using digital tools such as blogs, wikis, audio/video communication, or other emerging technologies.

K-2.3 Participates in digital environments to develop cultural understanding by interacting with learners of multiple cultures;

- **K-2.3.A** Draft, edit, and publish products in different media individually and collaboratively.
- **K-2.3.B** Use first attributes, color, white space, and graphics to ensure that products are appropriate for multiple communication media, including monitor display, web, video, audio, and print.
- **K-2.3.C** Collaborate effectively through personal learning communities and social environments.
- **K-2.3.D** Communicate effectively with multiple audiences using a variety of media and formats; and
- **K-2.3.E** Create and publish products using technical writing strategies.

K-2.4 Integrate, store, and deliver products using a variety of media, formats, devices, and virtual environments.

- **K-2.4.A** Select and use appropriate collaboration tools.
- **K-2.4.B** Communicate and collaborate effectively through personal learning communities and social environments.
- **K-2.4.C** Create and maintain personal learning networks to collaborate and publish with peers, experts, or others using digital tools such as blogs, wikis, audio/video communication, or other emerging technologies.
- **K-2.4.D** Communicate effectively with multiple audiences using a variety of media and formats; and
- **K-2.4.E** Create and publish products using technical writing strategies.

Work Group B Technology Applications Recommendations

- **K-2.5** Technology concepts

- **K-2.6** Information technology

- **K-2.7** Communication and collaboration

- **K-2.8** Data literacy

- **K-2.9** Computational thinking

- **K-2.10** Creativity and innovation

- **K-2.11** Practical technology

- **K-2.12** Data literacy

- **K-2.13** Computational thinking

- **K-2.14** Creativity and innovation

- **K-2.15** Practical technology

- **K-2.16** Information technology

- **K-2.17** Communication and collaboration

- **K-2.18** Data literacy

- **K-2.19** Computational thinking

- **K-2.20** Creativity and innovation

- **K-2.21** Practical technology

- **K-2.22** Information technology

- **K-2.23** Communication and collaboration

- **K-2.24** Data literacy

- **K-2.25** Computational thinking

- **K-2.26** Creativity and innovation

- **K-2.27** Practical technology

- **K-2.28** Information technology

- **K-2.29** Communication and collaboration

- **K-2.30** Data literacy

- **K-2.31** Computational thinking

- **K-2.32** Creativity and innovation

- **K-2.33** Practical technology

- **K-2.34** Information technology

- **K-2.35** Communication and collaboration

- **K-2.36** Data literacy

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- **K-2.38** Creativity and innovation

- **K-2.39** Practical technology

- **K-2.40** Information technology

- **K-2.41** Communication and collaboration

- **K-2.42** Data literacy

- **K-2.43** Computational thinking

- **K-2.44** Creativity and innovation

- **K-2.45** Practical technology

- **K-2.46** Information technology

- **K-2.47** Communication and collaboration

- **K-2.48** Data literacy

- **K-2.49** Computational thinking

- **K-2.50** Creativity and innovation

- **K-2.51** Practical technology

- **K-2.52** Information technology

- **K-2.53** Communication and collaboration

- **K-2.54** Data literacy

- **K-2.55** Computational thinking

- **K-2.56** Creativity and innovation

- **K-2.57** Practical technology

- **K-2.58** Information technology

- **K-2.59** Communication and collaboration

- **K-2.60** Data literacy

- **K-2.61** Computational thinking

- **K-2.62** Creativity and innovation

- **K-2.63** Practical technology
K-2.4 Critical thinking, problem solving, and decision making. The student is expected to:

- K-2.4.A identify what is known and unknown about a situation or problem; and
- K-2.4.B evaluate the appropriateness of tools and resources.

K-2.3 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- K-2.3.A use search strategies to access information; and
- K-2.3.B use research skills to build a knowledge base through a topic, task, or assignment; and
- K-2.3.C evaluate the usefulness of information from a variety of formats, including text, audio, video, and images.

K-2.2 Critical thinking, problem solving, and decision making. The student is expected to:

- K-2.2.A make informed decisions; and
- K-2.2.B plan and manage activities to develop a solution, design a computer program, or complete a project.

K-2.1 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- K-2.1.A understand and use information to electronically communicate; and
- K-2.1.B collect, analyze, and represent data; and
- K-2.1.C evaluate products prior to final submission; and
- K-2.1.D create a research plan to guide inquiry.

K-1.4 Communication and collaboration. The student is expected to:

- K-1.4.A communicate thoughts in a clear and logical manner; and
- K-1.4.B express ideas and feelings in a variety of ways.

K-1.3 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- K-1.3.A collect, analyze, and represent data; and
- K-1.3.B evaluate the usefulness of information; and
- K-1.3.C evaluate the appropriateness of tools and resources.

K-1.2 Critical thinking, problem solving, and decision making. The student is expected to:

- K-1.2.A use critical thinking and problem-solving skills; and
- K-1.2.B plan and manage activities to develop a solution, design a computer program, or complete a project.

K-1.1 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- K-1.1.A acquire and use information; and
- K-1.1.B evaluate products prior to final submission; and
- K-1.1.C create a research plan to guide inquiry.

Proposed Strand Notes

Grade 3-Grade 5

3-5.4 Critical thinking, problem solving, and decision making. The student is expected to:

- 3-5.4.A identify what is known and unknown about a situation or problem; and
- 3-5.4.B evaluate the appropriateness of tools and resources.

3-5.3 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- 3-5.3.A use various search strategies, including keyword(s) and Boolean operators; and
- 3-5.3.B use and evaluate various search engines, including keyword(s) and Boolean operators; and
- 3-5.3.C validate and evaluate the usefulness of information from a variety of formats, including text, audio, video, and images; and
- 3-5.3.D process data and communicate results.

3-5.2 Critical thinking, problem solving, and decision making. The student is expected to:

- 3-5.2.A identify relevant problems and significant questions for investigation; and
- 3-5.2.B plan and manage activities to develop a solution, design a computer program, or complete a project; and
- 3-5.2.C select and evaluate various types of digital resources for accuracy and validity; and
- 3-5.2.D evaluate the product for effectiveness; and
- 3-5.2.E evaluate the product for fluency. The student acquires and analyzes, and manages content from digital resources. The student is expected to:

- 3-5.2.F evaluate the product for support reasoning; and
- 3-5.2.G evaluate the product for follow-up reasoning; and
- 3-5.2.H evaluate the product for collaboration and communication.

Proposed Strand Notes

Grade 6

6.4 Critical thinking, problem solving, and decision making. The student is expected to:

- 6.4.A identify and define relevant problems and significant questions for investigation; and
- 6.4.B identify and define relevant problems and significant questions for investigation.

6.3 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- 6.3.A use search strategies to access information; and
- 6.3.B use and evaluate various search engines, including keyword(s) and Boolean operators; and
- 6.3.C select and evaluate various types of digital resources for accuracy and validity; and
- 6.3.D process data and communicate results.

6.2 Critical thinking, problem solving, and decision making. The student is expected to:

- 6.2.A identify relevant problems and significant questions for investigation; and
- 6.2.B plan and manage activities to develop a solution, design a computer program, or complete a project; and
- 6.2.C select and evaluate various types of digital resources for accuracy and validity; and
- 6.2.D evaluate the product for validity; and
- 6.2.E evaluate the product for compliance with the investigation section of creative and innovation.

6.1 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- 6.1.A understand and use information to electronically communicate; and
- 6.1.B collect, analyze, and represent data; and
- 6.1.C evaluate the usefulness of information; and
- 6.1.D acquire information; and
- 6.1.E evaluate the product for support reasoning; and
- 6.1.F evaluate the product for follow-up reasoning; and
- 6.1.G evaluate the product for collaboration and communication.

Proposed Strand Notes

Grade 8

8.4 Critical thinking, problem solving, and decision making. The student is expected to:

- 8.4.A identify relevant problems and significant questions for investigation; and
- 8.4.B identify and define relevant problems and significant questions for investigation.

8.3 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- 8.3.A use search strategies to access information; and
- 8.3.B use and evaluate various search engines, including keyword(s) and Boolean operators; and
- 8.3.C select and evaluate various types of digital resources for accuracy and validity; and
- 8.3.D process data and communicate results.

8.2 Critical thinking, problem solving, and decision making. The student is expected to:

- 8.2.A identify relevant problems and significant questions for investigation; and
- 8.2.B plan and manage activities to develop a solution, design a computer program, or complete a project; and
- 8.2.C select and evaluate various types of digital resources for accuracy and validity; and
- 8.2.D evaluate the product for validity; and
- 8.2.E evaluate the product for compliance with the investigation section of creative and innovation.

8.1 Research and information fluency. The student acquires and evaluates digital content. The student is expected to:

- 8.1.A understand and use information to electronically communicate; and
- 8.1.B collect, analyze, and represent data; and
- 8.1.C evaluate the usefulness of information; and
- 8.1.D acquire information; and
- 8.1.E evaluate the product for support reasoning; and
- 8.1.F evaluate the product for follow-up reasoning; and
- 8.1.G evaluate the product for collaboration and communication.

Proposed Strand Notes

Work Group B Technology Applications Recommendations

K-2.3.3 Foreign languages. The student understands and evaluates content in foreign languages. The student is expected to:

- K-2.3.3.A.4 understand and evaluate content in foreign languages.

K-2.2.1B collect, analyze, and represent data; and
- K-2.2.1C evaluate the usefulness of information; and
- K-2.2.1D create a research plan to guide inquiry.

K-2.1.1A make informed decisions; and
- K-2.1.1B plan and manage activities to develop a solution, design a computer program, or complete a project.

K-1.4.1A communicate thoughts in a clear and logical manner; and
- K-1.4.1B express ideas and feelings in a variety of ways.

K-1.3.1A use various search strategies, including keyword(s) and Boolean operators; and
- K-1.3.1B use and evaluate various search engines, including keyword(s) and Boolean operators; and
- K-1.3.1C validate and evaluate the usefulness of information from a variety of formats, including text, audio, video, and images; and
- K-1.3.1D process data and communicate results.

K-1.2.1A use critical thinking and problem-solving skills; and
- K-1.2.1B plan and manage activities to develop a solution, design a computer program, or complete a project.

K-1.1.1A acquire and use information; and
- K-1.1.1B evaluate products prior to final submission; and
- K-1.1.1C create a research plan to guide inquiry.

K-0.4.1A understand and use information to electronically communicate; and
- K-0.4.1B collect, analyze, and represent data; and
- K-0.4.1C evaluate the usefulness of information; and
- K-0.4.1D create a research plan to guide inquiry.
<table>
<thead>
<tr>
<th>Grade 3-Grade 5</th>
<th>Proposed Strand</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>K-2.5 Technology operations and concepts</td>
<td>Digital Citizenship</td>
<td>The student demonstrates knowledge and appropriate use of technology systems, concepts, and operations. The student is expected to:</td>
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<tr>
<td>K-2.5 Technology operations and concepts</td>
<td>Practical technology concepts</td>
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<td>Practical technology concepts</td>
<td>The student demonstrates knowledge and appropriate use of technology systems, concepts, and operations. The student is expected to:</td>
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</tbody>
</table>

**K-2.6 Technology operations and concepts**

- **Digital Citizenship**: The student demonstrates knowledge and appropriate use of technology systems, concepts, and operations. The student is expected to:
  - Be able to explain the impact of technology on society, the workplace, and the environment.
  - Be able to use technology to solve problems and engage in creative expression.
  - Be able to communicate effectively using technology.
  - Be able to evaluate the effectiveness of technology solutions.
  - Be able to use technology safely and responsibly.

- **Practical technology concepts**:
  - Be able to use technology to solve problems and engage in creative expression.
  - Be able to communicate effectively using technology.
  - Be able to evaluate the effectiveness of technology solutions.
  - Be able to use technology safely and responsibly.

---

**Digital Citizenship**

- **Digital Citizenship**: The student demonstrates knowledge and appropriate use of technology systems, concepts, and operations. The student is expected to:
  - Be able to communicate effectively using technology.
  - Be able to evaluate the effectiveness of technology solutions.
  - Be able to use technology safely and responsibly.

- **Practical technology concepts**:
  - Be able to use technology to solve problems and engage in creative expression.
  - Be able to communicate effectively using technology.
  - Be able to evaluate the effectiveness of technology solutions.
  - Be able to use technology safely and responsibly.
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<tr>
<th>Grade 5 &amp; Grade 6</th>
<th>Grade 6</th>
<th>Grade 7</th>
<th>Grade 8</th>
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<td>This student expectation aligns with the overarching goals for the TEKS. This student expectation could also be supported by Digital Citizenship and Communication and Collaboration.</td>
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For more detailed information, please refer to the original document.