

## Technology Matrix - Grades K-2

MCF Standards	Kindergarten	Grade One	Grade Two
<b>Using and Transferring</b>			
<p><b>Content Standard 1:</b> All students will use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner).</p>	<ul style="list-style-type: none"> <li>• 1: Recognize technology in the home.</li> <li>• 2: Recognize technological sources of information.</li> <li>• 3: Recognize technology and how it is used in the community.</li> <li>• 4: Demonstrate the proper care of technological systems and components.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Identify technology in the home.</li> <li>• 2: Recognize technological sources of information.</li> <li>• 3: Explore technological systems in your community.</li> <li>• 4: Demonstrate the proper care of technological systems and components.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Identify how technology impacts their life.</li> <li>• 2: Recognize technology in related careers within your community.</li> <li>• 3: Demonstrate the proper care of technological systems and components.</li> </ul>
<b>Using Information Technologies</b>			
<p><b>Content Standard 2:</b> All students will use technologies to input, retrieve, organize, manipulate, evaluate, and communicate information.</p>	<ul style="list-style-type: none"> <li>• 1: Input and retrieve information from a technological system (including the practice of word processing skills).</li> <li>• 2: Evaluate information received through technologies.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Input and retrieve information from a technological system (including the practice of word processing skills).</li> <li>• 2: Process information received through technologies.</li> <li>• 3: Evaluate information received through technology.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Input and retrieve information from a technological system (including the practice of word processing skills).</li> <li>• 2: Evaluate information received through technologies.</li> </ul>

MCF Standards	Kindergarten	Grade One	Grade Two
<b>Applying Appropriate Technologies</b>			
<b>Content Standard 3:</b> All students will apply appropriate technologies to critical thinking, creative expression, and decision making skills.	<ul style="list-style-type: none"> <li>• 1: Explore technological solutions to a problem.</li> <li>• 2: Use a variety of technologies to organize thoughts and express ideas (i.e. voice, data video, graphics, etc.).</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Explore technological solutions to a problem.</li> <li>• 2: Use a variety of technologies to organize thoughts and express ideas (i.e. voice, data video, graphics, etc.).</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Explore technological solutions to a problem.</li> <li>• 2: Use a variety of technologies to organize and express ideas in a logical process (i.e. voice, data, video, graphics, etc.).</li> </ul>
<b>Employing Systematic Approach</b>			
<b>Content Standard 4:</b> All students will employ a systematic approach to technological solutions by using resources and processes to create, maintain and improve products, systems, and environments.	<ul style="list-style-type: none"> <li>• 1: Use the basic terminology for a variety of technological systems.</li> <li>• 2: Uses appropriate tools, materials and processes in a safe manner to present technological solutions.</li> <li>• 3: Identify the components and follow a basic, systematic approach to design and implement technological solutions to a problem.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Use the basic terminology for a variety of technological systems.</li> <li>• 2: Presents technological solutions using sketches and drawing.</li> <li>• 3: Use measurement to determine lengths, widths, and heights to construct and record technological solutions to a problem.</li> <li>• 4: Use appropriate tools, materials, equipment and processes in a safe manner to design a technological solution to a given problem.</li> <li>• 5: Identify the components and follow a basic, systematic approach to design and implement technological solutions to a problem.</li> <li>• 6: Identify how resources and processes are used to help people in society accomplish tasks to achieve a technological solution to a problem.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Uses the basic terminology to label a variety of technological systems (i.e. input, process, output, and feedback).</li> <li>• 2: Presents technological solutions using sketches and drawings.</li> <li>• 3: Use technology to solve problems that require collecting and organizing measurement data.</li> <li>• 4: In a safe manner, students will explore and compare tools used in cutting, forming, fastening, and finishing materials to produce technological solutions to problems (multimedia).</li> <li>• 5: Design/redesign a project or solve a problem using a simple systematic approach that requires the use of appropriate tools, materials, equipment, and processes.</li> <li>• 6: Identify how resources and processes help people achieve a technological solution to a problem.</li> </ul>

MCF Standards	Kindergarten	Grade One	Grade Two
<b>Applying Standards</b>			
<p><b>Content Standard 5:</b> All students will apply ethical and legal standards in planning, using, and evaluating technology.</p>	<ul style="list-style-type: none"> <li>• 1: Practice ethical and legal standards related to technology in the home and at school.</li> <li>• 2: Explain how individuals are responsible for their technology related actions and decisions.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Practice ethical and legal standards related to technology in the home and at school.</li> <li>• 2: Give examples of the effects of technology on life in the past and present.</li> <li>• 3: List and describe safe and unsafe aspects of communication technology.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Practice ethical and legal standards related to technology in the home and at school (i.e. follow classroom rules, respect personal property, etc.).</li> <li>• 2: Recognize legal authority in situations involving technology and the well being of others.</li> <li>• 3: Participate in the creation of a rule related to technology and explain its impact on others and explain how individuals are responsible for their technology related actions and decisions.</li> </ul>
<b>Evaluating and Forecasting</b>			
<p><b>Content Standard 6:</b> All students will evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>	<ul style="list-style-type: none"> <li>• 1: Describe how a technology can be used in a career or occupation.</li> <li>• 2: List and describe safe and unsafe aspects of communication technology.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Give examples of the effects of technology on life in the past and present.</li> <li>• 2: List and describe safe and unsafe aspects of communication technology.</li> <li>• 3: Study and predict the consequences of the development of new technology.</li> </ul>	<ul style="list-style-type: none"> <li>• 1: Describe how technology could be used in a career or occupation.</li> <li>• 2: Give examples of the effects of technology on life in the past and present.</li> <li>• 3: Compare and contrast individuals' experiences and decisions about technology.</li> <li>• 4: Identify the advantages and disadvantages from the application of a technology to a civic, economic, or societal problem.</li> <li>• 5: List and describe safe and unsafe aspects of technology in relation to oneself and others.</li> <li>• 6: Identify how technology has impacted the environment.</li> </ul>