

# Maryland Teacher Technology Standards

## Maryland State Department of Education Program Approval and Assessment Branch

SEVEN STANDARDS AND OUTCOMES	INDICATORS
<p><b>I. Information Access, Evaluation, Processing and Application</b></p> <p>Access, evaluate, process and apply information efficiently and effectively.</p>	<ol style="list-style-type: none"> <li>1. Identify, locate, retrieve and differentiate among a variety of electronic sources of information using technology.</li> <li>2. Evaluate information critically and competently for a specific purpose.</li> <li>3. Organize, categorize and store information for efficient retrieval.</li> <li>4. Apply information accurately in order to solve a problem or answer a question.</li> </ol>
<p><b>II. Communication</b></p> <p><b>A.</b> Use technology effectively and appropriately to interact electronically.</p> <p><b>B.</b> Use technology to communicate information in a variety of formats.</p>	<ol style="list-style-type: none"> <li>1. Use telecommunications to collaborate with peers, parents, colleagues, administrators and/or experts in the field.</li> <li>1. Select appropriate technologies for a particular communication goal.</li> <li>2. Use productivity tools to publish information.</li> <li>3. Use multiple digital sources to communicate information online.</li> </ol>
<p><b>III. Legal, Social and Ethical Issues</b></p> <p>Demonstrate an understanding of the legal, social and ethical issues related to technology use.</p>	<ol style="list-style-type: none"> <li>1. Identify ethical and legal issues using technology.</li> <li>2. Analyze issues related to the uses of technology in educational settings.</li> <li>3. Establish classroom policies and procedures that ensure compliance with copyright law, <i>Fair Use</i> guidelines, security, privacy and student online protection.</li> <li>4. Use classroom procedures to manage an equitable, safe and healthy environment for students.</li> </ol>
<p><b>IV. Assessment for Administration and Instruction</b></p> <p>Use technology to analyze problems and develop data-driven solutions for instructional and school improvement.</p>	<ol style="list-style-type: none"> <li>1. Research and analyze data related to student and school performance.</li> <li>2. Apply findings and solutions to establish instructional and school improvement goals.</li> <li>3. Use appropriate technology to share results and solutions with others, such as parents and the larger community.</li> </ol>
<p><b>V. Integrating Technology into the Curriculum and Instruction</b></p> <p>Design, implement and assess learning experiences that incorporate use of technology in a curriculum-related instructional activity to support understanding, inquiry, problem solving, communication and/or collaboration.</p>	<ol style="list-style-type: none"> <li>1. Assess students' learning/ instructional needs to identify the appropriate technology for instruction.</li> <li>2. Evaluate technology materials and media to determine their most appropriate instructional use.</li> <li>3. Select and apply research-based practices for integrating technology into instruction.</li> <li>4. Use appropriate instructional strategies for integrating technology into instruction.</li> <li>5. Select and use appropriate technology to support content-specific student learning outcomes.</li> <li>6. Develop an appropriate assessment for measuring student outcomes through the use of technology.</li> <li>7. Manage a technology-enhanced environment to maximize student learning.</li> </ol>
<p><b>VI. Assistive Technology</b></p> <p>Understand human, equity and developmental issues surrounding the use of assistive technology to enhance student learning performance and apply that understanding to practice.</p>	<ol style="list-style-type: none"> <li>1. Identify and analyze assistive technology resources that accommodate individual student learning needs.</li> <li>2. Apply assistive technology to the instructional process and evaluate its impact on learners with diverse backgrounds, characteristics and abilities.</li> </ol>
<p><b>VII. Professional Growth</b></p> <p>Develop professional practices that support continual learning and professional growth in technology.</p>	<ol style="list-style-type: none"> <li>1. Create a professional development plan that includes resources to support the use of technology in lifelong learning.</li> <li>2. Use resources of professional organizations and groups that support the integration of technology into instruction.</li> <li>3. Continually evaluate and reflect on professional practices and emerging technologies to support student learning.</li> <li>4. Identify local, state and national standards and use them to improve teaching and learning.</li> </ol>