

WSD Technology Standards PK-5
Based on ISTE (2016)

Standard	Apps/Program Used	Activity Description	Duration	Assessment	Rotation
<p>1. Empowered Learner Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences.</p> <p>1a Articulate and set personal learning goals, develop strategies leveraging technology to achieve them and reflect on the learning process itself to improve learning outcomes.</p> <p>1b Students build networks and customize their learning environments in ways that support the learning process.</p> <p>1c Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.</p> <p>1d Students understand the fundamental concepts of technology operations, demonstrate the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies.</p>	<p>1a.</p> <p>1b. GAFE (2-5)</p> <p>1c. GAFE (2-5)</p> <p>1d. Typing.com (2-5), Keyboard Climber 1 & 2, Cup Stack Typing, Type Rocket Jr., ABCYa trackpad activities (Y5-1)</p>	<p>1a. Create learning goals and reflect on progress.</p> <p>1b. Use highlighting, bookmarking, note taking, glossaries, voice to speech</p> <p>1c. Use spelling/grammar check, and comment feature, sharing feature</p> <p>1d. Learn keyboard features, letter/number location, hand placement, trackpad manipulation, login procedures, open/close internet, and internet search</p>	<p>1a. Continuous</p> <p>1b-c. Minimum of 4 days</p> <p>1d. Continuous</p>	<p>1b-c. Google Docs/Slides</p> <p>1d. Lesson/level assessments, 1 minute timed tests</p>	<p>1a. All</p> <p>1b. 1 & 2</p> <p>1c. 1 & 2</p> <p>1d. All</p>

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<p>2. Digital Citizen Students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical.</p> <p>2a Students cultivate and manage their digital identity and reputation and are aware of the permanence of their actions in the digital world.</p> <p>2b Students engage in positive, safe, legal and ethical behavior when using technology, including social interactions online or when using networked devices.</p> <p>2c Students demonstrate an understanding of and respect for the rights and obligations of using and sharing intellectual property.</p> <p>2d Students manage their personal data to maintain digital privacy and security and are aware of data-collection technology used to track their navigation online.</p>	<p>2a. Common Sense Media (Y5-2)</p> <p>2b. Common Sense Media (Y5-5) & Faux Paw Techno Cat (Y5-2)</p> <p>2c. Common Sense Media & Digital Passport (3-5)</p> <p>2d. Common Sense Media (K-5) & Faux Paw Techno Cat & Cyber-Five (Y5-2)</p>	<p>2a. Learn that what is shared online impacts themselves and others forever, permanent.</p> <p>2b. Explore the internet while staying safe by distinguishing between inappropriate contact and positive connections.</p> <p>2c. Learn responsibilities and rights as creators in online spaces where they consume, create, and share information.</p> <p>2d. Learn strategies for managing information and keeping it secure from online risks.</p>	<p>2a. 1- 40 min. lesson</p> <p>2b. 2- 40 min. lessons</p> <p>2c. 2- 40 min. lessons</p> <p>2d. 4- 40 min. lessons</p>	<p>2a. Lesson Assessment</p> <p>2b. Lesson Assessment</p> <p>2c. Lesson Assessment</p> <p>2d. Lesson Assessment</p>	<p>2a. 2</p> <p>2b. 1</p> <p>2c. 2</p> <p>2d. All</p>

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<p>3. Knowledge Constructor Students critically curate a variety of resources using digital tools to construct knowledge, produced creative artifacts and make meaningful learning experiences for themselves and others.</p> <p>3a Students plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits.</p> <p>3b Students evaluate the accuracy, perspective, credibility and relevance of information, media, data or other resources.</p> <p>3c Students curate information from digital sources using a variety of tools and methods to create collections of artifacts that demonstrate meaningful connections or conclusions.</p> <p>3d Students build knowledge by actively exploring real-world issues and problems, developing ideas and theories and pursuing answers and solutions.</p>	<p>3a. Common Sense Media- Choose a Research Site (3-5)</p> <p>3b. Common Sense Media- Right Sites, Rating Websites, & How to Cite a Site (3-5)</p> <p>3c&d. Google Slides & Prezi (3-5)</p>	<p>3a. Learn to choose best site(s) to suit purpose.</p> <p>3b. Learn websites are not equally good sources of information.</p> <p>3c&d. Research grade specific topic/content and create digital presentation</p>	<p>3a. 1- 40 min. lessons</p> <p>3b. 3- 40 min. lessons</p> <p>3c&d. Min. of 6 days</p>	<p>3a. Lesson Assessment</p> <p>3b. Lesson Assessment</p> <p>3c&d. Digital Presentation</p>	<p>3a. 2</p> <p>3b. 2</p> <p>3c&d. 2</p>
<p>4. Innovative Designer</p>					

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<p>Students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions.</p> <p>4a Students know and use a deliberate design process for generating ideas, testing theories, creating innovative artifacts or solving authentic problems.</p> <p>4b Students select and use digital tools to plan and manage a design process that considers design constraints and calculated risks.</p> <p>4c Students develop, test and refine prototypes as part of a cyclical design process.</p> <p>4d Students exhibit a tolerance for ambiguity, perseverance and the capacity to work with open-ended problems.</p>	<p>4a. (Y5-5)</p> <p>4b. 3D printing software, flow charts, drawing tools (2-5)</p> <p>4c. Chrome Build, Think Big, Power Play, Bridge Builder, Rollercoaster Builder (2-5)</p> <p>4d. (Y5-5)</p>	<p>4a. Employ scientific method and projected based learning skills to brainstorm, design, and create a grade specific innovation project</p> <p>4b. Use digital tools to plan and manage a design process.</p> <p>4c. Develop, test, reflect, & refine creations</p> <p>4d. Use continued efforts and use prior knowledge to forge through obstacles</p>	<p>4a. Min. of 8 days</p> <p>4b. Min. of 8 days</p> <p>4c. Min. of 4 days</p> <p>4c. Continuous</p>	<p>4a. Grade specific innovation projects</p> <p>4b. Grade specific innovation projects</p> <p>4c. Program specific creations</p> <p>4d. All assignments</p>	<p>4a. 3</p> <p>4b. 3</p> <p>4c. 3</p> <p>4d. All</p>
<p>5. Computational Thinker Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.</p> <p>5a Students formulate problem definitions suited for technology-assisted methods such as data analysis, abstract</p>	<p>5a-d. Coding.org, OZOBOTS, Spheros, Dash & Dots (Y5-5)</p>	<p>5a-d. Learn computer science to program various outputs</p>	<p>5a-d. Min. of 8 days</p>	<p>5a-d. Program specific challenges</p>	<p>5a-d. All</p>

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<p>models and algorithmic thinking in exploring and finding solutions.</p> <p>5b Students collect data or identify relevant data sets, use digital tools to analyze them, and represent data in various ways to facilitate problem-solving and decision-making.</p> <p>5c Students break problems into component parts, extract key information, and develop descriptive models to understand complex systems or facilitate problem-solving.</p> <p>5d Students understand how automation works and use algorithmic thinking to develop a sequence of steps to create and test automated solutions.</p>					
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<p>6. Creative Communicator Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.</p> <p>6a Students choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.</p> <p>6b Students create original works or responsibly repurpose or remix digital resources into new creations.</p> <p>6c Students communicate complex ideas clearly and effectively by creating or using a variety of digital objects such as visualizations, models or simulations.</p> <p>6d Students publish or present content that customizes the message and medium for their intended audiences.</p>	<p>6a. GAFE, Storyboard That, Prezi, Word Clouds, Flow Charts, Graphs, Charts (2-5) GAFE, Paint, Storybird (K-1)</p> <p>6b. Common Sense Media (4-5)</p> <p>6c. GAFE, Storyboard That, Prezi, Word Clouds, Flow Charts, Graphs, Charts (2-5) GAFE, Paint, Storybird (K-1)</p>	<p>6a. Produce a media-rich digital project aligned standards</p> <p>6b. Perform proper attributes and change original format</p> <p>6c. Use a variety of technology tools and applications to create or modifying works.</p>	<p>6a. Minimum of 6 days</p> <p>6b. 1- 40 min. lessons</p> <p>6c. Minimum of 6 days</p>	<p>6a. Digital Project</p> <p>6b. Lesson assessment</p> <p>6c. Digital Project</p>	<p>6a. 1 & 2</p> <p>6b. 2</p> <p>6c. 1 & 2</p>
<p>7. Global Collaborator Students use digital tools to</p>					

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<p>broaden their perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally.</p> <p>7a Students use digital tools to connect with learners from a variety of backgrounds and cultures, engaging with them in ways that broaden mutual understanding and learning. result of human creativity.</p> <p>7b Students use collaborative technologies to work with others, including peers, experts or community members, to examine issues and problems from multiple viewpoints.</p> <p>7c Students contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal.</p> <p>7d Students explore local and global issues and use collaborative technologies to work with others to investigate solutions.</p>	<p>7a-d. Virtual field trips, video conferencing, STEAM Maker Lab (Y5-2)</p> <p>Virtual field trips, video conferencing, STEAM Maker Lab, Write About, Research projects (3-5)</p>	<p>7a-d. Connect, collaborate, contribute, examine, investigate</p>	<p>7a-d. Continuous</p>	<p>7a-d. All assignments</p>	<p>7a-d. All</p>