

## 5-8 MNPS Digital Literacy Scope & Sequence

ISTE Student Standards 2016	TN Tech. Standards	Aligned ELA/ Math Standards	Skills	5	6	7	8
Creative Communicator "I communicate effectively and express myself creatively using different tools, styles, formats and digital media."	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Create documents for various subject-related assignments.	R	M	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Apply timed advance to slide transitions.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Create presentations for various subject-related assignments.	R	M	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Use appropriate fonts, styles, and sizes, as well as graphics and page design to create a product (e.g. report, brochure, presentation).	I	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Individually or with peers, use presentation software to communicate ideas and content to multiple audiences.	R	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Communicate using various media with teacher and peers (e.g. Edmodo).	R	M	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Identify the best tool to communicate information (e.g. blog, email).	R	M	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Use appropriate technology tools to report results.	I	R	M	M
Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5	Select an application based on appropriateness to the task.	R	M	M	M	
I- Introduce   R- Reinforce   M-Mastery   O-Optional							

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Computational Thinker "I identify authentic problems, work with data and use a step-by-step process to automate solutions."	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4, MP.4	Enter formula using correct PEMDAS order of operations (Parentheses, Exponents, Multiplication, Division, Addition, Subtraction).	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4, MP.4	Create formulas to solve problems.			I	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4, MP.4	Use formulas to solve one- and two-step linear equations.			I	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4, MP.4	Create spreadsheets for various subject-related assignments.	R	M	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Use appropriate technology tools to process and interpret data	I	R	M	M
	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Use a step-by-step process for solving a problem.	R	R	M	M
	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Recognize that the computer relies on sequential steps in order to perform tasks.	R	R	M	M
	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Identify, collect, and analyze information in order to solve a problem and explain the steps to find the solution.	R	R	M	M

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	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Organize data using tools such as spreadsheets, graphic organizers, and slideshows.	R	M	M	M
	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Use data to make informed decisions.	R	R	M	M
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ISTE Student Standards 2016	TN Tech. Standards	Aligned ELA/ Math Standards	Skills	5	6	7	8
Digital Citizen  “I understand the rights, responsibilities and opportunities of living, learning, and working in an interconnected digital world.”	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Demonstrate positive social and ethical behaviors when using technology, such as using proper netiquette.	R	R	M	M
	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Practice responsible use of technology systems and software by staying on appropriate websites, not giving out personal information, and asking for help when needed.	R	R	M	M
	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Comply with the districts' Acceptable Use Policy related to ethical use, cyber-bullying, privacy, plagiarism, spam, viruses, hacking, and file sharing.	R	R	M	M
	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Explain Fair Use guidelines for using copyrighted materials (e.g. images, music, video, and text) and possible consequences in school projects.	I	R	R	M
	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Cite sources using established methods and give credit to electronic sources.	I	R	M	M
	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Navigate and responsibly use social media such as Edmodo and Twitter.	I	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Use a variety of district-approved web tools (e.g. email, blogs, Twitter, Edmodo, Today's Meet) to collaborate and communicate with peers, experts, and other audiences using appropriate academic language.	R	R	M	M
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Empowered Learner “I use technology to set goals, work toward achieving them and demonstrate my learning.”	Standard 1	W.PDW.6, MP.5	Able to locate letter, number, symbol, and special purpose keys.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Use age-appropriate keyboarding skills to produce grade level projects (Type 20 WPM by grade 6, 30 WPM by grade 8 with 85% accuracy).	I	R	R	M
	Standard 1	W.PDW.6, MP.5	Identify and use basic computer parts (keyboard, monitor, mouse).	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Navigate in virtual environments (e-books and web-sites) to support learning. Students should be able to navigate forward, back, and home and identify hyperlinks, the address bar, and favorites/bookmarks in a browser.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Communicate about technology using developmentally appropriate and accurate terminology.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Print a document, choose a printer, and identify pages to print.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Create folders and save files in different storage media (e.g. network drive, cloud, flash drive).	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Reopen documents/files.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Manipulate icons on the desktop.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Connect devices-mouse, USB device and headphones to appropriate ports.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Use more than one application at a time.	R	M	M	M
	Standard 1	W.PDW.6, MP.5	Email and attach documents.	I	R	M	M
	Standard 1	W.PDW.6, MP.5	Recognize and troubleshoot hardware issues.	I	R	M	M
	Standard 1	W.PDW.6, MP.5	Identify file format and corresponding application (e.g. .pdf, .docx, jpeg, mp3).	I	R	M	M
	Standard 1	W.PDW.6, MP.5	Explain how LAN's, WAN's, Internet, and Intranet operate versus a stand-alone system.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Copy and paste text and objects.	R	M	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Right click to correct spelling and grammar errors.	R	M	M	M

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	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Set tab stops.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Adjust page margins.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Adjust line spacing.	I	R	M	M
I- Introduce   R- Reinforce   M-Mastery   O-Optional							
ISTE Student Standards 2016	TN Tech. Standards	Aligned ELA/ Math Standards	Skills	5	6	7	8
Empowered Learner “I use technology to set goals, work toward achieving them and demonstrate my learning.”	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Create a bulleted or numbered outline.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Insert/edit header and footer.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Embed a chart or table.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Create multiple columns.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Embed a hyperlink.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Insert a page break.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Use appropriate justification (e.g. right, center, left, justified).	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Run spelling and grammar check.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Select an entire sheet.	R	M	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Enter data in a specified cell.	R	M	M	M

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Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Highlight a range of cells.	R	M	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Perform auto sum for a given data range.	R	M	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Insert a data chart.	R	M	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Identify cells by coordinates.	R	M	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Apply formatting to a cell (e.g. font, bold, italics, color).	I	R	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Manipulate size of rows and columns.	I	R	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Insert row(s) and/or column(s).	I	R	M	M
Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Change cell alignment and justification.	I	R	M	M

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Empowered Learner “I use technology to set goals, work toward achieving them and demonstrate my learning.”	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Add border(s) to cell or range of cells.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Merge cells.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Apply number formatting to cell (e.g. currency, date, percentage).	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Cut, copy, and paste content from one cell to another.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Sort data within a range of cells.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Filter data within a range of cells.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Change print area and print from a selection, entire workbook, or active worksheet.	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Insert audio and/or video clip(s).	I	R	M	M
	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Embed table, SmartArt, and/or chart.	I	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Complete self- or peer-assessment using a checklist or rubric.	R	M	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Use local and cloud-based technology tools for individual writing assignments, communication, and publishing.	R	R	M	M

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	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Use a checklist or rubric to evaluate a finished product amongst self and peers.	R	M	M	M
	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Recognize and troubleshoot hardware issues	I	R	M	M
I- Introduce   R- Reinforce   M-Mastery   O-Optional							

ISTE Student Standards 2016	TN Tech. Standards	Aligned ELA/ Math Standards	Skills	5	6	7	8
Global Communicator "I strive to broaden my perspective, understand others and work effectively in teams using digital tools."	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Work cooperatively and collaboratively with peers and others using technology.	R	R	M	M
	Standard 2	L.VAU.4, W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3	Discuss how changes in technology affect society, the economy, and career options.	I	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Develop cultural understanding and awareness by engaging with learners from other cultures.	R	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Use local and cloud-based technology tools for collaborative writing assignments, communication, and publishing.	R	R	M	M
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Innovative Designer “I solve problems by creating new and imaginative solutions using a variety of digital tools.”	Standard 3	W.PDW.6, SL.CC.1, SL.PKI.5, L.VAU.4	Apply animation to an object.	I	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Create original products using a variety of digital resources.	R	R	M	M
	Standard 4	W.PDW.4, W.PDW.6, SL.CC.1, SL.CC.2, SL.CC.3, SL.PKI.4, SL.PKI.5	Use a variety of media to present information for specific purposes (e.g. reports, research papers, presentations, newsletters, websites, podcasts, blog), citing sources.	R	R	M	M
	Standard 6	R.IKI.7, W.RBPK.8, SL.CC.2, SL.PKI.5, MP.1, MP.2, MP.3, MP.4, MP.5	Develop steps to create innovative products using electronic resources.	R	R	M	M
I- Introduce   R- Reinforce   M-Mastery   O-Optional							

ISTE Student Standards 2016	TN Tech. Standards	Aligned ELA/ Math Standards	Skills	5	6	7	8
Knowledge Constructor “I critically select, evaluate and synthesize digital resources into a collection that reflects my learning and build my knowledge.”	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Identify key words to use as search terms.	R	R	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Use digital maps to find various locations.	R	M	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Search for information using online encyclopedias.	R	M	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Record and organize data using the appropriate application(s).	R	M	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Identify and cite reliable electronic resources in writing.	R	R	M	M

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	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Locate and distinguish between primary and secondary online resources.	R	M	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Identify reliable types of websites by examining their domain names (e.g. .edu, .org, .gov).	I	R	M	M
	Standard 5	R.IKI.7, W.RBPK.7, W.RBPK.8, W.RBPK.9	Select appropriate electronic reference materials, including encyclopedias, thesauruses, dictionaries, maps, and atlas.	R	M	M	M

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