

Technology Categories	<i>IDOE Standard</i>	Demonstrate proficiency in the use of computers and applications as well as an understanding of the concepts underlying hardware, software, and connectivity Skills	6	7	8	9	10	11	12
Basic Operations	6-8.CD.2	Identify successful troubleshooting strategies for minor hardware and software issues/problems (e.g. frozen screen)	I	R	M	M	M	M	M
Basic Operations	6-8.CD.1	Independently operate peripheral equipment (e.g. scanner, digital camera, printers, and etc...)	I	R	M	M	M	M	M
Basic Operations	6-8.CD.1 6-8.PA.1	Compress and expand large files (zip)	N	I	R	M	M	M	M
Basic Operations	6-8.CD.3	Identify and use a variety of media storage (cd, dvd, flash, cloud, and etc...) and rationalize their use for specific purposes	I	R	M	M	M	M	M
Basic Operations	6-8.PA.1	Demonstrate automaticity in keyboarding skills by increasing accuracy and speed.	R	M	M	M	M	M	M
Basic Operations	6-8.CD.4	Identify and assess the capabilities and limitations of emerging technologies	I	R	M	M	M	M	M
Word Processing	6-8.PA.1	Demonstrate use of intermediate features in word processing applications (e.g. tabs, indents, headers, footers, endnotes, bullets, and tables.	I	R	M	M	M	M	M
Word Processing	6-8.PA.1	Apply advanced formatting and page layout features when appropriate (e.g. columns, templates, and styles) to improve the appearance of documents and materials	I	R	M	M	M	M	M
Word Processing	6-8.PA.1	Highlight text, copy, and paste text	R	M	M	M	M	M	M
Word Processing	6-8.NC.1	Use the comment function for peer commenting on documents	I	R	M	M	M	M	M
Word Processing	6-8.NC.2	Use the Track Changes feature in Review for peer editing documents	N	E	I	R	M	M	M

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Spreadsheet	6-8.DI.3	Use spreadsheets to calculate, graph, organize, and present data in a variety of real-world settings and choose the most appropriate type to represent given data.	I	R	M	M	M	M	M
Spreadsheet	6-8.PA.2	Enter formulas and functions; use the auto-fill feature in a spreadsheet application.	I	R	M	M	M	M	M
Spreadsheet	6-8.PA.2	Use functions of a spreadsheet application (e.g. sort, filter, find).	I	R	R	M	M	M	M
Spreadsheet	6-8.PA.2	Use various number formats (e.g. scientific notations, percentages, exponents) as appropriate.	I	R	M	M	M	M	M
Spreadsheet	6-8.PA.2	Use advanced formatting features of a spreadsheet application (e.g. reposition columns and rows, add and name worksheets).	I	R	M	M	M	M	M
Spreadsheet	6-8.PA.2	Differentiate between formulas with absolute and relative cell references.	N	N	I	R	M	M	M
Spreadsheet	6-8.PA.1,2	Use multiple sheets within a workbook, and create links among worksheets to solve problems.	I	R	M	M	M	M	M
Spreadsheet	6-8.PA.1	Import and export data between spreadsheets and other applications.	I	R	M	M	M	M	M
Mathematical Applications		Draw two and three dimensional geometrical shapes using a variety of technology tools.	I	R	M	M	M	M	M
Mathematical Applications	6-8.DI.3	Use and interpret scientific notations using a variety of technology applications	N	E	I	R	M	M	M
Mathematical Applications	6-8.DI.5	Explain and demonstrate how specialized technology tools can be used for problem solving, decision making, and creativity in all subject areas (e.g. simulation software, environmental probes, computer aided design, geographical information systems, dynamic geometric software, and graphing calculators.	N	I	R	M	M	M	M

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Multimedia/ Presentation Tools	6-8.NC.1	Create presentations for a variety of audiences and purposes with use of appropriate transitions and animations to add interest.	R	M	M	M	M	M	M
Multimedia/ Presentation Tools	6-8.PA.1	Use a variety of technology tools (e.g. dictionary, thesaurus, grammar checker, calculator, and graphing calculator) to maximize the accuracy of work.	R	M	M	M	M	M	M
Multimedia/ Presentation Tools	6-8.PA.1	Make strategic use of digital media to enhance understanding.	R	M	M	M	M	M	M
Multimedia/ Presentation Tools	6-8.PA.1	Use painting and drawing tools/applications to create and edit work.	R	M	M	M	M	M	M
Multimedia/ Presentation Tools	6-8.PA.3	Use note-taking skills while viewing online videos and using the play, pause, rewind and stop buttons.	R	M	M	M	M	M	M
Multimedia/ Presentation Tools	6-8.PA.3	Independently use appropriate technology tools (e.g. graphic organizer, audio, visual) to define problems and propose hypotheses.	I	R	M	M	M	M	M

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Technology Categories	<i>IDOE Standard</i>	Demonstrate the responsible use of technology and an understanding of ethics and safety issues in using electronic media at home, in school, and in society. Skills	6	7	8	9	10	11	12
Digital Citizenship	6-8.IC.1	Comply with the district’s Responsible Use Policy related to ethical use, cyber bullying, privacy, plagiarism, spam, viruses, hacking, and file sharing.	R	M	M	M	M	M	M
Digital Citizenship	6-8.IC.1	Explain Fair Use guidelines for using copyrighted materials and possible consequences. (e.g. images, music, video, and text) in school projects.	R	M	M	M	M	M	M
Digital Citizenship	6-8.IC.3	Analyze and explain how media and technology can be used to distort, exaggerate, and misrepresent information.	I	R	M	M	M	M	M
Digital Citizenship	6-8.IC.2	Give examples of hardware and applications that enable people with disabilities to use technology.	I	R	M	M	M	M	M
Digital Citizenship	6-8.IC.4	Explain the potential risks associated with the use of networked digital environments (e.g. internet, mobile, phones, wireless, LANs) and sharing personal information.	R	M	M	M	M	M	M

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Technology Categories	<i>IDOE Standard</i>	Demonstrate the ability to use technology for research, critical thinking, decision-making, communication, collaboration, creativity, and innovation. Skills	6	7	8	9	10	11	12
Research Gathering/Using Information	6-8.PA.1	Identify probable types and locations of Websites by examining their domain names (e.g. edu, com, org, gov, au)	I	R	M	M	M	M	M
Research Gathering/Using Information	6-8.PA.2	Use effective search strategies for locating and retrieving electronic information (e.g. using syntax and Boolean logic operators).	R	M	M	M	M	M	M
Research Gathering/Using Information	6-8.PA.3	Use search engines and online directories. Explain the differences among various search engines and how they rank results.	I	R	R	M	M	M	M
Research Gathering/Using Information	6-8.PA.1	Use appropriate academic language in online learning environments (e.g. post, thread, intranet, discussion forum, drop box, account, and password).	I	R	M	M	M	M	M
Research Gathering/Using Information	6-8.NC.2	Explain how technology can support communication and collaboration, personal and professional productivity, and lifelong learning.	I	R	M	M	M	M	M
Research Gathering/Using Information	6-8.PA.1	Write correct in-text citations and reference lists for text and images gathered from electronic sources.	I	R	M	M	M	M	M
Research Gathering/Using Information	6-8.PA.3	Use Web browsing to access information (e.g. enter a URL, access links, create bookmarks/favorites, print Web pages).	I	R	M	M	M	M	M
Research Gathering/Using Information	6-8.PA.3	Use and modify databases and spreadsheets to analyze data and propose solutions.	I	R	M	M	M	M	M
Research Gathering/Using	6-8.PA	Develop and use guidelines to evaluate the contest, organization, design, use of citations, and presentation of	I	R	M	M	M	M	M

Information		technologically enhanced projects.								
Technology Categories	Notes	Demonstrate the ability to use technology for research, critical thinking, decision making, communication, collaboration, creativity, and innovation Skills	6	7	8	9	10	11	12	
Communication/ Collaboration	6-8.NC.1	Use a variety of media to present information for specific purposes (e.g. reports, research papers, presentations, newsletters, Websites, podcasts, blogs), citing sources.	R	M	M	M	M	M	M	
Communication/ Collaboration	6-8.NC.1	Demonstrate how the use of various techniques and effect (e.g. editing, music, color, rhetorical devices) can be used to convey meaning in media.	I	R	M	M	M	M	M	
Communication/ Collaboration	6-8.NC.2	Use a variety of district approved Web 2.0 tools (e.g. email discussion groups, blogs, LMS discussion, and etc...) to collaborate and communicate with peers, experts, and other audiences using appropriate academic language.	R	M	M	M	M	M	M	
Communication/ Collaboration	6-8.NC.2	Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation, and appropriateness of citations.	R	M	M	M	M	M	M	
Collaboration/ Collaboration	6-8.NC.2	Plan and implement a collaborative project with students in other classrooms and schools using telecommunication tools (e.g. email, discussion forums, interactive Websites, video-conferencing).	I	R	M	M	M	M	M	

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