



THE KING'S ACADEMY

Technology Plan - Scope and Sequence

The skills identified for each grade level align to the Common Core State Standards (CCSS) for Mathematics and English Language Arts & Literacy in History/Social Studies, Science and Technical Subjects as well as skills required take the Smarter Balanced Assessment Consortium (SBAC) Computer Adaptive Assessments.

Standards Grade levels are not specified for the standards as they are indicated in the grade level columns.

English Language Arts Anchor Standards	Mathematics Standards
RL - Reading Standards for Literature RI - Reading Standards for Informational Text W - Writing SL - Speaking and Listening L - Language.	MD - Measurement and Data G - Geometry EE - Expressions and Equations A - Algebra F - Functions SP - Statistics and Probability SMP - Standards of Mathematical Practice

Digital Literacy Categories
Basic operations Word Processing Spreadsheets Multimedia and Presentation Acceptable Use, Copyright, and Plagiarism Communication & Collaboration Research

The Scope and Sequence identify which grade levels the skills need to be Introduced (I), Reinforce (R), and Mastered (M). Skills identified as Optional for Grade Level (O) are left to the discretion of the teacher who may choose to teach the skills to the students.

Digital Literacy Categories		Alignment to CCSS/ISTE	Subject	Skills	6	7	8	9	10	11	12
Demonstrate proficiency in the use of computers and applications as well as an understanding of the concepts underlying the hardware, software and connectivity.	Basic Operations	Technology Operations & concepts ISTE 1.1d	ALL	Identify successful troubleshooting strategies for minor hardware and software issues/problems (e.g., “frozen screen”).	I	R	M	R/M	M	M	M
				Independently operate peripheral equipment (e.g. digital camera, camcorder, 3D Printer, microscopes), if available.	O	O	O	O	O	O	O
				Identify, organize, and use a variety of storage media (e.g., online storage spaces, e-mail)	I	R	M	M	M	M	M
		W6 ISTE 1.1d	It was done in 6th grade	Demonstrate automaticity in keyboarding skills by increasing accuracy and speed. (For students with disabilities, demonstrate alternate input techniques as appropriate.)	R	M	M	M	M	M	M
		Creativity & Innovation ISTE 1.1D	Technology Electives	Identify and assess the capabilities and limitations of emerging technologies.	O	O	O	O	O	O	O
	Word Processing	W 5, W 6, W 10 ISTE 1.1.D	All	Demonstrate use of intermediate features in word processing application (e.g., tabs, indents, headers and footers, endnotes, bullet and numbering, tables).	I	R	M	M	M	M	M
				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
				Highlight text, copy, and paste text	R	M	M	M	M	M	M
				Use the Comment function in Google Docs for peer editing of documents	I	R	M	R/M	M	M	M
		W 5, W 6, W 10, SL 1 ISTE 1.1D	English	Use the Track Changes feature in Google Docs for peer editing of documents	I	R	R	R/M	M	M	M

I- Introduce

R - Reinforce

M - Mastery (ability to teach others)

O - Optional for grade level

Digital Literacy Categories		Alignment to CCSS/ISTE	Subject	Skills	6	7	8	9	10	11	12
Demonstrate proficiency in the use of computers and applications as well as an understanding of the concepts underlying the hardware, software and connectivity.	Spreadsheet (Tables, charts, and graphs)	F, SMP 5, RI 7 ISTE 3.3C	Science	Use spreadsheets to calculate, graph, organize, and present data	I	R	R	R/M	M	M	M
		F, EE, SMP 5, RI 7 ISTE 1.1C, 5.5a	Science	Enter formulas and functions; use functions of a spreadsheet application. (e.g. sort, filter, find)			I	M	M	M	M
		EE, SMP 6 ISTE 5.5B	Math	Use various number formats (e.g. scientific notations, percentages, exponents)		I	R	M	M	M	M
		F, SMP 5, RI 7 ISTE 5.5A, 5B	Science	Use advanced formatting features of a spreadsheet application (e.g., reposition columns and rows, add and name worksheets).	I	R	R	M	M	M	M
				Use multiple sheets within a workbook, and create links among worksheets		O	I	R	M	M	M
				Import and export data between spreadsheets and other applications.		O	I	R	M	M	M
	Multimedia and Presentation Tools	SMP 3, SL 5 ISTE 6.6A	All	Create presentations for a variety of audiences and purposes with the use of appropriate transitions and animations to add interest.	I	R	M	M	M	M	M
		SMP 5, W6	All	Use a variety of technology tools (e.g., dictionary, thesaurus, grammar checker, calculator/graphing calculator) to maximize the accuracy of work.	R	R	M	M	M	M	M
		SL 5	All	Make strategic use of digital media to enhance understanding	I	R	M	M	M	M	M
		W6, SL 5 ISTE 6.6A, 6B	Bible	Use painting and drawing tools/applications to annotate and edit work	I	R	R	M	M	M	M
		FL7, RI 7	All	Use notetaking skills while viewing online videos and using the play, pause, rewind, and stop buttons.	R	M	M	M	M	M	M
		SMP 3, SL5 5	All	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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Digital Literacy Categories		Alignment to CCSS/ISTE	Subject	Skills	6	7	8	9	10	11	12
Demonstrate the responsible use of technology and understanding of ethics and safety issues in using electronic media at home, in school, and in society.	Acceptable Use, Copyright, and Plagiarism	ISTE 2.2b	Bible	Understand the school's Acceptable Use Policy related to ethical use, cyberbullying, privacy, plagiarism, spam, viruses, hacking, and file sharing.	I	R	M	R/M	M	M	M
		ISTE 2.2c	English	Explain Fair Use guidelines for using copyrighted materials and possible consequences (e.g., images, music, video, text) in school projects.	I	R	R	R/M	M	M	M
		ISTE 2.2a	SS	Analyze and explain how media and technology can be used to distort, exaggerate, and misrepresent information.	I	R	R	R	M	M	M
		ISTE 2.2d	Science	Manage personal data to maintain digital privacy and security and are aware of data-collection technology used to track their navigation online.	I	R	R	R/M	M	M	M
Demonstrate the responsible use of technology and understanding of ethics and safety issues in using electronic media at home, in school, and in society.	Communication and collaboration	W 6, W10, SL 5, SMP5, RI 7 ISTE 6.6a	All	Use a variety of media to present information for specific purposes (e.g., reports, research papers, presentations, newsletters, Web sites, podcasts, blogs), citing sources.	I	R	M	M	M	M	M
		W 6, W10, SL 5, ISTE 6.6c	English	Demonstrate how the use of various techniques and effects (e.g., editing, music, color, rhetorical devices) can be used to convey meaning in media.	I	R	M	M	M	M	M
		RI 6, RI 7, RI 9, SMP 3, SL 5 ISTE 6.6d	All	Use a variety of school-approved Web tools (e.g., email discussion groups, blogs, etc.) to collaborate and communicate with others using appropriate academic language.	I	R	M	M	M	M	M
		W6, W10, SL 3 ISTE 6.6a	All	Use teacher-developed guidelines to evaluate multimedia presentations for organization, content, design, presentation, and appropriateness of citations.	I	R	M	M	M	M	M
		RI 5, RI 7 ISTE 3.3d	All	Use a web browser to access information (e.g., enter a URL, access links, create bookmarks/favorites, print Web pages).	I	R	M	M	M	M	M

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Digital Literacy Categories		Alignment to CCSS/ISTE	Subject	Skills	6	7	8	9	10	11	12
Demonstrate the ability to use technology for research, critical thinking, decision making, communication, collaboration, creativity, and innovation.	Research (Gathering and using information)	RI 5, RI 7 ISTE 3.3a, 3b	SS	Identify probable types and locations of Web sites by examining their domain names (e.g., edu, com, org, gov, au). And evaluating scholarly credibility	I	R	R	R/M	M	M	M
		RI 7 ISTE 2.2a	English	Use appropriate academic language in online learning environments (e.g., post, thread, intranet, discussion forum, dropbox, account, and password).	I	R	M	M	M	M	M
		RI 5, RI 7, SMP 3 ISTE 7.7c, 3.3C	Science 6	Explain how technology can support communication and collaboration, personal and professional productivity, and lifelong learning.	R	M	M	M	M	M	M
		RI 5, RI 7 ISTE 2.2c	English, SS	Write correct in-text citations and reference lists for text and images gathered from electronic sources. (APA and MLA Format)	I	R	R	R	R/M	M	M
		RI 7, RI 10, SMP 5 ISTE 3.3c	English, SS	Use online academic databases for scholarly articles	I	R	R	R/M	M	M	M
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