



COMMON CORE STATE STANDARDS K-12 TECHNOLOGY SKILLS SCOPE & SEQUENCE

Banning Unified School District

This scope and sequence is aligned to the Common Core State Standards requirements for Mathematics and English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects as well as skills required for the Smarter Balanced Assessment Consortium's Computer Adaptive Testing and the International Society for Technology in Education Standards for Students.

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Introduction to the Scope and Sequence Document

This Scope and Sequence is adapted from the Fresno County Office of Education Recommended Digital Literacy and Technology Skills to Support the California Common Core State Standards, the Long Beach Unified School District Common Core Standards k-12 Technology Skills Scope and Sequence, Rescue Union School District Common Core State Standards K-8 Technology Skills Scope and Sequence, and the Jurupa Unified School District Development of Technology Skills Kindergarten-6th grade.

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 the skills required to take the Smarter Balanced Assessment Consortium’s (SBAC) Computer Adaptive Assessments and the International Society for Technology in Education Standards for Students.

Standards

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 for Mathematical Practice

International Society for Technology in Education (ISTE) - Standards for Students
<ol style="list-style-type: none"> 1. Creativity and Innovation 2. Communication and Collaboration 3. Research and Information Fluency 4. Critical Thinking, Problem Solving, and Decision Making 5. Digital Citizenship 6. Technology Operations and Concepts

This Scope and Sequence identifies which grade levels the skills need to be Introduced (I), Developed (D), and Applied (A). 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.

Elementary

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Basic Operations	W6, ISTE 6A, ISTE 6B, SBAC Testing Skills	Log on and off	I	D	A	A	A	A
		Shut down *add touchpad I-2 nd , D, A, A, A *Add touchscreen I-TK, etc. (SMART Board)	I	D	A	A	A	A
		Use mouse to click on icons, URLs, check boxes and scroll	I	D	D	A	A	A
		Use mouse to drag and drop and expand an object or shapes	O	I	D	A	A	A
		Adjust volume and mute	O	I	D	A	A	A
		Identify computer parts i.e. Keyboard, monitor, mouse, computer, laptop, volume control, USB port, audio jack...	I	D	A	A	A	A
		Save files	O	I	D	A	A	A
		Find and Retrieve files	O	O	O	O	O	O
		Delete Files	O	O	O	O	O	O
		Printing (identify printer, print specific pages)	O	O	I	D	A	A
		Identify Start Menu	O	I	D	A	A	A
		Find and open Programs	I	D	A	A	A	A
		Basic troubleshooting i.e. Check locked keys, system has power, restart system	O	O	I	D	A	A
		Keyboard short cuts i.e. copy/paste...	O	O	O	I	D	A
Keyboarding <ul style="list-style-type: none"> • Use proper posture and ergonomics • Locate and use letter and numbers keys with left and right hand placement • Locate and use correct finger, hand for space bar, return/enter and shift key • Gain proficiency and speed in touch typing 	I	D	A	A	A	A		
I – Introduce D – Developing A – Applying O - Optional								

Adapted from The Fresno County Office of Education Recommended Digital Literacy and Technology Skills to support the Common Core State Standards, the Long Beach Unified School District Common Core Standards K-12 Technology Skills Scope and Sequence, the Rescue Union School District Common Core State Standards K-8 Technology Skills Scope and Sequence, and the Jurupa Unified School District Development of Technology Skills Kindergarten-6th grade.

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Word Processing	W5, W6, W10, L4, ISTE 1A, ISTE 2A, SBAC Testing Skills	Word Processing – write, edit, save, and print	I	D	D	A	A	A
		Change font: size, color, style	O	I	D	A	A	A
		Highlight, copy, and paste text		O	I	D	A	A
		Copy, paste, insert and resize images within the documents and from outside sources		I	I	D	A	A
		Align Text		O	I	D	A	A
		Undo/Redo	O	I	D	A	A	A
		Insert Chart				I	D	A
		Proofread and edit (Spell checker, grammar checker, thesaurus, dictionary)		O	I	D	A	A
		Add bullets/outline				I	D	A
		Formatting (margins, headers, footers, page numbers)				I	D	A
I – Introduce D – Developing A – Applying O - Optional								

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Spreadsheet (Tables, Charts, and Graphs)	MD, RI7, ISTE 1C, ISTE 3D, ISTE 4C, SBAC Testing Skills	Identify and explain terms (i.e. cell, row, column, values, charts, graphs)				I	D	D
		Use sum and averages				I	D	D
		Copy/paste cells				I	D	D
		Insert a column and insert a row				I	D	D
		Create charts				I	D	D
		Set print area				I	D	D
		Apply color to rows, cells, columns				I	D	D
		Insert graphics				I	D	D
		Fill down a column				I	D	D
		Find & Select				I	D	D
		Sort & Filter				I	D	D
		Format a table				I	D	D
		Adjust alignment				I	D	D
		Enter and edit data in spreadsheets and perform calculations using formulas				I	D	D
		Use mathematical symbols e.g. + add, - minus, * multiply, / divide, ^ exponents				I	D	D
Use spreadsheets to make predications, solve problems, and draw conclusions				I	D	D		
I – Introduce D – Developing A – Applying O - Optional								

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Multimedia and Presentation Tools	W6, SL5, RL7, ISTE 1, ISTE 2B, SBAC Testing Skills	Create, edit, and format text on a slide		I	D	A	A	A
		Create a series of slides and organize them to present research or convey data			I	D	A	A
		Copy, past, import, reposition and resize graphics on a slide			O	I	D	A
		Use painting/drawing tools to create and edit work			I	D	A	A
		Watch online videos and use play, pause, rewind, and forward buttons while taking notes	I	D	A	A	A	A
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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5	
Acceptable Use, Copyright, and Plagiarism	Digital Citizenship, ISTE 5A, ISTE 5B, ISTE 5C, ISTE 5D	Explain and demonstrate compliance with classroom, schools rules (Acceptable Use Policy) regarding responsible use of computers and networks.	I	D	A	A	A	A	
		Explain responsible uses of technology and digital information and describe possible consequences of inappropriate use.	I	D	A	A	A	A	
		Explain Fair Use guidelines for the use of copyrighted materials, (e.g. text, images, music, video in student projects) and giving credit to media creators.		I	D	A	A	A	
		Identify and explain the strategies for the safe and efficient use of computers (e.g. passwords, virus protection software, spam filters, popup blockers)		I	D	A	A	A	
		Demonstrate safe email practice, recognition of the potentially public exposure of email and appropriate email etiquette.					I	D	A
		Recognize and describe the potential risks and dangers associated with online communication.		I	D	A	A	A	
		Digital Etiquette – Understand appropriate language and conduct also apply to online communication. Learn how to communicate ideas appropriately online.	*	*	*	*	*	*	
		Cyber Safety-Understand online risks ARE inappropriate conduct, inappropriate contact, and inappropriate content. Learn how to be cyber safe.	*	*	*	*	*	*	
		Social Networking-Understand age requirements. Learn that online actions have real-world consequences.	*	*	*	*	*	*	
		Cyber Bullying-Understand harassment or bullying can happen online, through social networking sites, emails, text messages, and online games. Learn how to handle cyberbullying. Identify cyberbullying and describe strategies to deal with such a situation.	*	*	*	*	*	*	
		Digital Safety–Understand that personal information such as home address should not be shared online with strangers. Learn how to identify potential online dangers.	*	*	*	*	*	*	
		Digital Footprint & Reputation–Understand online activities and behavior create an online profile that can be followed into adulthood. Learn how to present a positive online image.	*	*	*	*	*	*	
Privacy & Security–Understand that personal information such as passwords are not to be shared. Learn how to identify privacy and security risks.	*	*	*	*	*	*			
I – Introduce D – Developing A – Applying O – Optional *use Common Sense Media Lessons									

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Research and Gathering Information	RI5, RI6, RI7, RI9, Digital Citizenship, ISTE 2B, ISTE 3B, ISTE 3C, ISTE 3D	Use age-appropriate technology to locate, collect, and organize content for a specific purpose.	I	D	A	A	A	A
		Perform basic searches on a database (i.e. library card catalogue, encyclopedia) to locate information.			I	D	A	A
		Evaluate Internet resources in terms of their usefulness for research.	I	D	A	A	A	A
		Use content specific technology tools (sensors, measuring devices, etc.) to gather and analyze data.			O	I	D	A
		Use web 2.0 tools (online discussion, blogs, etc.) to gather and share information.			O	I	D	A
		Identify and analyze the purpose of a media message (inform, persuade, entertain).	I	D	A	A	A	A
I – Introduce D – Developing A – Applying O - Optional								

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Communication and Collaboration	W6, W10, SL1, SL2, SL3, SL5, ISTE 1B, ISTE 2A, ISTE 2B, ISTE 3B	Work collaboratively online with other students under teacher supervision.			I	D	A	A
		Use a variety of age-appropriate technologies to communicate and exchange ideas.	I	D	A	A	A	A
		Create projects that use text and various forms of graphics, audio, and video to communicate ideas.			I	D	A	A
		Evaluate multimedia presentation for organization content, design, and appropriateness of citations.			O	I	D	A
		Use District approved Web 2.0 tools for communication and collaboration.			I	D	A	A
I – Introduce D – Developing A – Applying O - Optional								

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	K	1	2	3	4	5
Web Based Skills	RI7, W6, W7, ISTE 3C, ISTE 4C	Web terms (i.e. World Wide Web, browser, homepage, download, hyperlinks...)			I	D	A	A
		Introduction to the web “What is the web” (tools for obtaining information)	I	I	D	A	A	A
		Using keywords for web searches			I	D	A	A
		Search for phrases				I	D	A
		Narrowing searches				I	D	A
		Identify and evaluate search results				I	D	A
		Bookmarking-Saving to Favorites				I	D	A
		Open Multiple Pages			I	D	A	A
		Search History				I	D	A
I – Introduce D – Developing A – Applying O - Optional								

Grades 6-8

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Basic Operations	W6, ISTE 1, ISTE 6	Identify successful troubleshooting strategies for minor hardware and software issues/problems (e.g. “frozen screen”).	I	D	A
		Independently operate peripheral equipment (e.g. scanner, digital camera, camcorder), if available.	I	D	A
		Compress and expand large files.	I	D	A
		Identify and use a variety of storage media (e.g. CDs, DVDs, flash drives, school servers, and online storage spaces), and provide a rationale for using a certain medium for a specific purpose.	I	D	A
		Demonstrate automaticity in keyboarding skills by increasing accuracy and speed. (For students with disabilities, demonstrate alternate input techniques as appropriate.)	D	A	A
		Identify and assess the capabilities and limitations of emerging technologies.	I	D	A
I – Introduce D – Developing A – Applying O - Optional					

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Word Processing	W5, W6, W10, SL1, SL5, ISTE 2A, ISTE 6A, SBAC Testing Skills	Demonstrate use of intermediate features in word processing application (e.g. tabs, indents, headers and footers, end notes, bullet and numbering, tables).	I	D	A
		Apply advanced formatting and page layout features when appropriate (e.g. columns, templates, and styles) to improve the appearance of documents and materials.	I	D	A
		Highlight text, copy and paste text.	D	A	A
		Use the Comment function in review for peer editing of documents.	I	D	A
		Use the Track Changes feature in review for peer editing of documents.	I	D	A
I – Introduce D – Developing A – Applying O - Optional					

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Spreadsheet (Tables, Charts, and Graphs)	F, SMP5, EE, SMP6, RI7, ISTE 4C, ISTE 4D	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	D	A
		Enter formulas and functions; use the auto-fill feature in a spreadsheet application.	I	D	A
		Use the functions of a spreadsheet application (e.g. sort, filter, find).	I	D	A
		Use various number formats (e.g. scientific notations, percentages, exponents) as appropriate.	I	D	A
		Produce simple charts and graphs from a spreadsheet.	I	D	A
		Use advanced formatting features of a spreadsheet application (e.g. reposition columns and rows, add and name worksheets).	I	D	A
		Differentiate between formulas with absolute and relative cell references.			I
		Use multiple sheets within a workbook, and create links among worksheets to solve problems.		O	I
		Import and export data between spreadsheets and other applications.		O	I
I – Introduce D – Developing A – Applying O - Optional					

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Mathematical Applications	G, SMP5, EE, A, F, SP, W8, SL5, ISTE 1C, ISTE 4A	Draw two and three dimensional geometric shapes using a variety of technology tools.	I	D	A
		Use and interpret scientific notations using a variety of technology applications.			I
		Explain and demonstrate how specialized technology tools can be used for problem solving, decision making, and creativity in all subject areas.	I	D	A
I – Introduce D – Developing A – Applying O - Optional					

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Multimedia and Presentation Tools	SMP3, SMP5, SL5, W6, RL7, RI7, SBAC Testing Skills, ISTE 1B, ISTE 4A, ISTE 4C, ISTE 6A	Create presentations for a variety of audiences and purposes with use of appropriate transitions and animations to add interest.	D	A	A
		Use a variety of technology tools (e.g. dictionary, thesaurus, grammar checker, spell checker, calculator/graphing calculator) to maximize the accuracy of work.	D	A	A
		Make strategic use of digital media to enhance understanding.	D	A	A
		Use a variety of applications to plan, create, and edit multimedia products (e.g. slide presentations, videos, animations, simulations, podcasts).	D	A	A
		Use note-taking skills while viewing online videos and using the play, pause, rewind and stop buttons.	D	A	A
		Independently use appropriate technology tools (e.g. graphic organizer, audio, visual) to define problems and propose hypotheses.	I	D	A
I – Introduce D – Developing A – Applying O - Optional					

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Acceptable Use, Copyright and Plagiarism	Digital Citizenship, ISTE 5	Comply with the District’s Acceptable Use Policy related to ethical use, cyberbullying, privacy, plagiarism, spam, viruses, hacking, and file sharing.	D	A	A
		Explain Fair Use guidelines for using copyrighted materials and possible consequences (e.g. images, music, video, text) in school projects.	D	A	A
		Analyze and explain how media and technology can be used to distort, exaggerate, and misrepresent information.	I	D	A
		Give examples of hardware and applications that enable people with disabilities to use technology.	I	D	A
		Explain the potential risks associated with the use of networked digital environments (e.g. internet, mobile phones, wireless, LANs) and sharing personal information.	D	A	A
		Discuss misuse of technology for personal and commercial reasons (e.g. software piracy, unauthorized file sharing/downloading, virus spreading, and hacking); explain possible consequences.	*	*	*
		Describe and use safe and appropriate practices when participating in online communities.	*	*	*
		Evaluate the authenticity, accuracy, appropriateness, and bias of electronic resources, including Web sites.	*	*	*
I – Introduce D – Developing A – Applying O – Optional *use Common Sense Media Lessons					

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Research (Gathering and Using Information)	RI5, RI7, RI10, SMP3, SMP5, ISTE 2C, ISTE 3B, ISTE 3C, ISTE 6A	Identify probable types and locations of websites by examining their domain names (e.g. .edu, .com, .org, .gov, .au).	I	D	A
		Use effective search strategies for locating and retrieving electronic information (e.g. using syntax and Boolean logic operators).	D	A	A
		Use search engines and online directories. Explain the differences among various search engines and how they rank results.	I	D	A
		Use appropriate academic language in online learning environments (e.g. post, thread, intranet, discussion forum, drop box, account, and password).	I	D	A
		Explain how technology can support communication and collaboration, personal and professional productivity, and lifelong learning.	I	D	A
		Write correct in-text citations and reference lists for text and images gathered from electronic sources.	I	D	A
		Use web browsing to access information (e.g. enter a URL, access links, create bookmarks/favorites, print web pages).	I	D	A
		Use and modify databases and spreadsheets to analyze data and propose solutions.	I	D	A
		Develop and use guidelines to evaluate the content, organization, design, use of citations, and presentation of technologically enhanced projects.	I	D	A
I – Introduce D – Developing A – Applying O - Optional					

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	6	7	8
Communication and Collaboration	W6, W10, SL2, SL3, SL5, RI6, RI7, RI9, SMP3, SMP5, ISTE 2A, ISTE 2B, ISTE 3B, ISTE 3C, ISTE 4B	Use a variety of media to present information for specific purposes (e.g. reports, research papers, presentations, newsletters, websites, podcasts, blogs) citing sources.	D	A	A
		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	D	A
		Use a variety of district approved web 2.0 tools (e.g. e-mail discussion groups, blogs, etc.) to collaborate and communicate with peers, experts, and other audiences using appropriate academic language.	D	A	A
		Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation and appropriateness of citations.	D	A	A
		Plan and implement a collaborative project with students in other classrooms and schools using telecommunications tools (e.g. e-mail, discussion forums, groupware, interactive websites, and video-conferencing).	I	D	A
I – Introduce D – Developing A – Applying O - Optional					

Grades 9-12

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Basic Operations	W6, ISTE 1, ISTE 6	Identify successful troubleshooting strategies for minor hardware and software issues/problems (e.g. “frozen screen”).	A	A	A	A
		Independently operate peripheral equipment (e.g. scanner, digital camera, camcorder), if available.	A	A	A	A
		Compress and expand large files.	A	A	A	A
		Identify and use a variety of storage media (e.g. CDs, DVDs, flash drives, school servers, and online storage spaces), and provide a rationale for using a certain medium for a specific purpose.	A	A	A	A
		Demonstrate automaticity in keyboarding skills by increasing accuracy and speed. (For students with disabilities, demonstrate alternate input techniques as appropriate.)	A	A	A	A
		Identify and assess the capabilities and limitations of emerging technologies.	A	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Word Processing	W5, W6, W10, SL1, SL5, ISTE 2A, ISTE 6A, SBAC Testing Skills	Demonstrate use of intermediate features in word processing application (e.g. tabs, indents, headers and footers, end notes, bullet and numbering, tables).	A	A	A	A
		Apply advanced formatting and page layout features when appropriate (e.g. columns, templates, and styles) to improve the appearance of documents and materials.	A	A	A	A
		Highlight text, copy and paste text.	A	A	A	A
		Use the Comment function in review for peer editing of documents.	A	A	A	A
		Use the Track Changes feature in review for peer editing of documents.	D	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Spreadsheet (Tables, Charts, and Graphs)	F, SMP5, EE, SMP6, RI7, ISTE 4C, ISTE 4D	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.	A	A	A	A
		Enter formulas and functions; use the auto-fill feature in a spreadsheet application.	A	A	A	A
		Use the functions of a spreadsheet application (e.g. sort, filter, find).	A	A	A	A
		Use various number formats (e.g. scientific notations, percentages, exponents) as appropriate.	A	A	A	A
		Produce simple charts and graphs from a spreadsheet.	A	A	A	A
		Use advanced formatting features of a spreadsheet application (e.g. reposition columns and rows, add and name worksheets).	A	A	A	A
		Differentiate between formulas with absolute and relative cell references.	D	A	A	A
		Use multiple sheets within a workbook, and create links among worksheets to solve problems.	D	A	A	A
		Import and export data between spreadsheets and other applications.	D	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Mathematical Applications	G, SMP5, EE, A, F, SP, W8, SL5, ISTE 1C, ISTE 4A	Draw two and three dimensional geometric shapes using a variety of technology tools.	A	A	A	A
		Use and interpret scientific notations using a variety of technology applications.	D	A	A	A
		Explain and demonstrate how specialized technology tools can be used for problem solving, decision making, and creativity in all subject areas.	A	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

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Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Multimedia and Presentation Tools	SMP3, SMP5, SL5, W6, RL7, RI7, SBAC Testing Skills, ISTE 1B, ISTE 4A, ISTE 4C, ISTE 6A	Create presentations for a variety of audiences and purposes with use of appropriate transitions and animations to add interest.	A	A	A	A
		Use a variety of technology tools (e.g. dictionary, thesaurus, grammar checker, spell checker, calculator/graphing calculator) to maximize the accuracy of work.	A	A	A	A
		Make strategic use of digital media to enhance understanding.	A	A	A	A
		Use a variety of applications to plan, create, and edit multimedia products (e.g. slide presentations, videos, animations, simulations, podcasts).	A	A	A	A
		Use note-taking skills while viewing online videos and using the play, pause, rewind and stop buttons.	A	A	A	A
		Independently use appropriate technology tools (e.g. graphic organizer, audio, visual) to define problems and propose hypotheses.	A	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Acceptable Use, Copyright and Plagiarism	Digital Citizenship, ISTE 5	Comply with the District’s Acceptable Use Policy related to ethical use, cyberbullying, privacy, plagiarism, spam, viruses, hacking, and file sharing.	A	A	A	A
		Explain Fair Use guidelines for using copyrighted materials and possible consequences (e.g. images, music, video, text) in school projects.	A	A	A	A
		Analyze and explain how media and technology can be used to distort, exaggerate, and misrepresent information.	A	A	A	A
		Give examples of hardware and applications that enable people with disabilities to use technology.	A	A	A	A
		Explain the potential risks associated with the use of networked digital environments (e.g. internet, mobile phones, wireless, LANs) and sharing personal information.	A	A	A	A
		Discuss misuse of technology for personal and commercial reasons (e.g. software piracy, unauthorized file sharing/downloading, virus spreading, and hacking); explain possible consequences.	*	*	*	*
		Describe and use safe and appropriate practices when participating in online communities.	*	*	*	*
		Evaluate the authenticity, accuracy, appropriateness, and bias of electronic resources, including Web sites.	*	*	*	*
I – Introduce D – Developing A – Applying O – Optional *Use Common Sense Media lessons						

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Research (Gathering and Using Information)	RI5, RI7, RI10, SMP3, SMP5, ISTE 2C, ISTE 3B, ISTE 3C, ISTE 6A	Identify probable types and locations of websites by examining their domain names (e.g. edu, com, org, gov, au).	A	A	A	A
		Use effective search strategies for locating and retrieving electronic information (e.g. using syntax and Boolean logic operators).	A	A	A	A
		Use search engines and online directories. Explain the differences among various search engines and how they rank results.	A	A	A	A
		Use appropriate academic language in online learning environments (e.g. post, thread, intranet, discussion forum, drop box, account, and password).	A	A	A	A
		Explain how technology can support communication and collaboration, personal and professional productivity, and lifelong learning.	A	A	A	A
		Write correct in-text citations and reference lists for text and images gathered from electronic sources.	A	A	A	A
		Use web browsing to access information (e.g. enter a URL, access links, create bookmarks/favorites, print web pages).	A	A	A	A
		Use and modify databases and spreadsheets to analyze data and propose solutions.	A	A	A	A
		Develop and use guidelines to evaluate the content, organization, design, use of citations, and presentation of technologically enhanced projects.	A	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

Technology Skill	Alignment to CCSS/ SBAC/ ISTE	Skills	9	10	11	12
Communication and Collaboration	W6, W10, SL2, SL3, SL5, RI6, RI7, RI9, SMP3, SMP5, ISTE 2A, ISTE 2B, ISTE 3B, ISTE 3C, ISTE 4B	Use a variety of media to present information for specific purposes (e.g. reports, research papers, presentations, newsletters, websites, podcasts, blogs) citing sources.	A	A	A	A
		Demonstrate how the use of various techniques and effect (e.g. editing, music, color, rhetorical devices) can be used to convey meaning in media.	A	A	A	A
		Use a variety of district approved web 2.0 tools (e.g. e-mail discussion groups, blogs, etc.) to collaborate and communicate with peers, experts, and other audiences using appropriate academic language.	A	A	A	A
		Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation and appropriateness of citations.	A	A	A	A
		Plan and implement a collaborative project with students in other classrooms and schools using telecommunications tools (e.g. e-mail, discussion forums, groupware, interactive websites, video-conferencing).	A	A	A	A
I – Introduce D – Developing A – Applying O - Optional						

Appendix

