

# California Common Core State Standards

English Language Arts & Literacy in  
History/Social Studies, Science, and  
Technical Subjects

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.

Common Core State  
Standards K-5  
Technology Skills  
Scope and Sequence



*Adopted by the California  
State Board of Education  
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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 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 to take the Smarter Balanced Assessment Consortium's (SBAC) Computer Adaptive Assessments.

Additional skills identified in this Scope and Sequence are from the National Educational Technology Standards 2007: Creativity and Innovation; Digital Citizenship; and Technology Operations and Concepts.

### 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
<b>RL</b> - Reading Standards for Literature; <b>RI</b> - Reading Standards for Informational Text; <b>W</b> - Writing; <b>SL</b> - Speaking and Listening; <b>L</b> - Language.	<b>MD</b> - Measurement and Data <b>G</b> - Geometry <b>EE</b> - Expressions and Equations <b>A</b> - Algebra <b>F</b> - Functions <b>SP</b> - Statistics and Probability <b>SMP</b> - Standards of Mathematical Practice

Mathematics standards are focused mainly in grades 6-12 as there are no technology requirements in grades K-5. Most of the SBAC Testing Skills cover the skills that students will be required to have to take the online assessment. Mathematical Standards of Practice (SMP) are also referenced as they encompass use of appropriate technology tools across various standards.

The scope and sequence goes from K-12 but is broken up into sections for K-5 and 6-12. Even though students in grades K, 1, 2, 9, 10 and 12 are not tested for CCSS, the skills help build basic technology competencies to support the grade levels at which the students are tested.

The Scope and Sequence identifies which grade levels the skills need to be **Introduced (I), Reinforced (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.

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# *Elementary*

# *K-5*

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Digital Literacy Categories		Alignment to CCSS/ SBAC	Skills	K	1	2	3	4	5
Demonstrate proficiency in the use of computers and applications as well as an understanding of the concepts underlying hardware, software and connectivity.	Basic Operations	SBAC test taking skills	Turn on a computer and login	I	R	M	M	M	M
		SBAC test taking skills	Use pointing device such as a mouse to manipulate shapes, icons; click on urls, radio buttons, check boxes; use scroll bar	I	R	M	M	M	M
		SBAC test taking skills	Use desktop icons, windows and menus to open applications and documents	I	R	M	M	M	M
		SBAC test taking skills	File management – saving documents	O	I	R	M	M	M
		SBAC test taking skills	Explain and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser)		I	R	M	M	M
		W 6	Keyboarding <ul style="list-style-type: none"><li>• Use proper posture and ergonomics</li><li>• Locate and use letter and numbers keys with left and right hand placement.</li><li>• Locate and use correct finger, hand for space bar, return/enter and shift key</li><li>• Gain proficiency and speed in touch typing</li></ul>	I	R	M	M	M	M
	Word Processing	W 5, W 6, W 10	Use a word processing application to write, edit, print and save simple assignments	I	R	M	M	M	M
		W 5, W 6, W 10	Use menu/tool bar functions (e.g. font/size/style/, line spacing, margins) to format, edit and print a document		I	R	M	M	M
		W.5, W6, W 10	Highlight text, copy and paste text		O	I	R	M	M
		W 5, W 6, W 10	<ul style="list-style-type: none"><li>• Copy and paste images within the document and from outside sources</li><li>• Insert and size a graphic in a document</li></ul>		I	R	M	M	M
		L 4	Proofread and edit writing using appropriate resources (e.g. dictionary, spell checker, grammar, and thesaurus).		O	I	R	M	M
I – Introduce                      R – Reinforce                      M – Mastery (ability to teach others)                      O – Optional for grade level									

Digital Literacy Categories		Alignment to CCSS/ SBAC	Skills	K	1	2	3	4	5
Demonstrate proficiency in the use of computers and applications as well as an understanding of the concepts underlying hardware, software and connectivity.	Spreadsheet  (Tables/ Charts and Graphs)	MD , SBAC testing skills	Demonstrate an understanding of the spreadsheet as a tool to record, organize and graph information.				I	R	M
		SBAC testing skills	Identify and explain terms and concepts related to spreadsheets (i.e. cell, column, row, values, labels, chart graph)			O	I	R	M
		MD , SBAC testing skills	Enter/edit data in spreadsheets and perform calculations using formulas			O	I	R	M
		MD , SBAC testing skills	Use mathematical symbols e.g. + add, - minus, *multiply, /divide, ^ exponents				I	R	M
		RI 7	Use spreadsheets and other applications to make predictions, solve problems and draw conclusions.				I	R	M
	Multimedia  and Presentation Tools	W 6	Create, edit and format text on a slide		I	R	M	M	M
		W 6	Create a series of slides and organize them to present research or convey an idea			I	R	M	M
		W 6, SL 5	Copy and paste or import graphics; change their size and position on a slide			O	I	R	M
		W 6, SL 5	Use painting and drawing tools/ applications to create and edit work			I	R	M	M
		W 6, RL 7, SBAC testing skills	Watch online videos and use play, pause, rewind and forward buttons while taking notes	I	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/SBAC	Skills	K	1	2	3	4	5
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.	Acceptable Use, Copyright and Plagiarism	Digital Citizenship	Explain and demonstrate compliance with classroom, school rules (Acceptable Use Policy) regarding responsible use of computers and networks	I	R	M	M	M	M
		Digital Citizenship	Explain responsible uses of technology and digital information; describe possible consequences of inappropriate use	I	R	M	M	M	M
		Digital Citizenship	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	R	M	M	M
		Digital Citizenship	Identify and explain the strategies for the safe and efficient use of computers (e.g. passwords, virus protection software, spam filters, popup blockers)		I	R	M	M	M
		Digital Citizenship	Demonstrate safe email practices, recognition of the potentially public exposure of email and appropriate email etiquette				I	R	M
		Digital Citizenship	Identify cyberbullying and describe strategies to deal with such a situation	I	R	M	M	M	M
		Digital Citizenship	Recognize and describe the potential risks and dangers associated with various forms of online communications		I	R	M	M	M
I – Introduce                      R – Reinforce                      M – Mastery (ability to teach others)                      O – Optional for grade level									

# Common Core State Standards K-5 Technology Skills Scope and Sequence

Digital Literacy Categories		Alignment to CCSS/SBAC	Skills	K	1	2	3	4	5
Demonstrate the ability to use technology for research, critical thinking, decision making, communication and collaboration, creativity and innovation.	Research and Gathering Information	RI 5, RI 7	Use age appropriate technologies to locate, collect, organize content from media collection for specific purposes, citing sources	I	R	M	M	M	M
		RI 5, RI 7	Perform basic searches on databases, (e.g. library, card catalog, encyclopedia) to locate information.			I	R	M	M
		RI 5, RI 7	Evaluate teacher-selected or self-selected Internet resources in terms of their usefulness for research	I	R	M	M	M	M
		RI 7	Use content specific technology tools (e.g. environmental probes, sensors, and measuring devices, simulations) to gather and analyze data.			O	I	R	M
		RI 6, RI 7, RI 9	Use Web 2.0 tools (e.g. online discussions, blogs and wikis) to gather and share information			O	I	R	M
		RL 7	Identify and analyze the purpose of a media message (to inform, persuade and entertain)	I	R	M	M	M	M
	Communi- cation and Collaboration	W 6	Work collaboratively online with other students under teacher supervision			I	R	M	M
		W 6, W 10	Use a variety of age-appropriate technologies (e.g. drawing program, presentation software) to communicate and exchange ideas		I	R	M	M	M
		W 6, W 10 SL 2, SL 5	Create projects that use text and various forms of graphics, audio, and video, (with proper citations) to communicate ideas.			I	R	M	M
		W 6, W 10 SL 3	Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation and appropriateness of citations.			O	I	R	M
		W 6, W 10 SL 1	Use district approved Web 2.0 tools for communication and collaboration			I	R	M	M
I – Introduce                      R – Reinforce                      M – Mastery (ability to teach others)                      O – Optional for grade level									

