

# Blackduck Elementary



## K-6 Technology Skills Scope and Sequence

This scope and sequence identifies the grade levels at which the skills need to be Introduced (I), Reinforced (R), and Mastered (M).

*(Adapted from the Rescue Union School District CCSS K-12 Technology Scope and Sequence)*

## INTRODUCTION TO THE SCOPE & SEQUENCE DOCUMENT

The skills identified for each grade level align to the Common Core State Standards (CCSS) for Math, English Language Arts, & Literacy in History/Social Studies, Science and Technology.

Additional skills identified in this scope and sequence are from the National Education Technology Standards (2007): Creativity and Innovation; Digital Literacy; and Technical Operations and Concepts.

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

International Society for Technology in Education (ISTE) Standards for Students
<ol style="list-style-type: none"><li>1. Creativity and innovation</li><li>2. Communication and collaboration</li><li>3. Critical thinking, problem solving, and decision making</li><li>4. Research and information fluency</li><li>5. Digital citizenship</li><li>6. Technology operations and concepts</li></ol>

## Elementary - Basic Operations

Alignment to CCSS	Skills	K	1	2	3	4	5	6
ISTE 6A	Turn on ipad/computer and login	I	R	M	M	M	M	M
ISTE 6A	Use a pointing device such as a mouse to manipulate shapes, click on urls, volume buttons, check boxes, use scroll bar	I	R	M	M	M	M	M
ISTE 6A	Use icons, windows and menus to open applications, web apps, and documents	I	R	M	M	M	M	M
ISTE 6A	Manage files and save documents with titles and google docs, sheets...		I	R	M	M	M	M
ISTE 6A	Use and explain uses for age appropriate online tools and resources		I	R	M	M	M	M
W6, ISTE 6A	Keyboarding <ul style="list-style-type: none"> <li>● Use proper posture and ergonomics</li> <li>● Locate and use letter and number keys with left and right hand placement</li> <li>● Locate and use correct finger/hand for space bar, enter, and shift key</li> <li>● Gain proficiency and speed in keyboarding</li> </ul>		I	5	10	15	20	25
	<b>I-Introduce R-Reinforce M-Mastery</b>							

## Elementary - Word Processing

Alignment to CCSS	Skills	K	1	2	3	4	5	6
W5, W6, W10, ISTE 1A	Use a word processing application to write, edit, and share assignments		I	R	R	M	M	M
W5, W6, W10	Use menu/tool bar functions, such as font size, font style, line spacing, etc., to format a document		I	R	M	M	M	M
W5, W6, W10	Highlight, copy, and paste text			I	R	M	M	M
W5, W6, W10	Copy, paste, insert and resize images within the documents and from outside sources		I	R	M	M	M	M
L4	Proofread and edit writing using appropriate resources (spell checker, grammar checker, thesaurus, etc.)				I	R	M	M
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# Elementary - Spreadsheets (Tables, Charts, and Graphs)

Alignment to CCSS	Skills	K	1	2	3	4	5	6
ISTE 1C	Demonstrate an understanding of the spreadsheet as a tool to record, organize, and graph information			I	I	R	M	M
ISTE 2	Identify and explain terms and concepts related to spreadsheets (cells, columns, rows, values, charts, graphs)				I	R	M	M
ISTE 4C	Enter and edit data in spreadsheets and perform calculations using formulas				I	I	R	R
F	Use mathematical symbols appropriately (+, -, *, /, ^)				I	I	R	R
R17, ISTE 1D	Use spreadsheets to make predictions, solve problems, and draw conclusions					I	R	R
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## Elementary - Multimedia and Presentation Tools

(Example: Google Slides, Prezi, etc.)

Alignment to CCSS	Skills	K	1	2	3	4	5	6
W6	Create, edit, and format text on a slide		I	R	M	M	M	M
W6, ISTE 2B	Create a series of slides and organize them to present research of convey data			I	R	M	M	M
W6, SL5	Copy, paste, import, reposition and resize graphics on a slide			I	I	R	M	M
W, SL5	Use painting/drawing tools to create and edit work			I	R	M	M	M
W6, RL7	Watch online videos and use play, pause, rewind, and forward buttons (while taking notes)			I	R	M	M	M
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## Elementary - Digital Citizenship

<https://www.common Sense Media.org/educators/scope-and-sequence>

Alignment to CCSS	Skills	K	1	2	3	4	5	6
ISTE 5A	Explain and demonstrate compliance with Responsible Use Policy and classroom rules regarding computers and networks	I	I	R	M	M	M	M
ISTE 5A	Explain responsible uses for technology and digital information and describe potential consequences of inappropriate use	I	R	M	M	M	M	M
ISTE 5A	Explain fair use guidelines for copyrighted material (images, music, videos, etc.)			I	R	M	M	M
ISTE 5A	Identify and explain the strategies for the safe and efficient use of computers (passwords, virus protection software, etc.)			I	R	M	M	M
ISTE 5A	Demonstrate safe share practices and appropriate sharing etiquette			I	R	M	M	M
ISTE 5A	Identify cyberbullying and describe potential risk and danger strategies to deal with such a situation concerning online communication		I	I	R	M	M	M
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## Elementary - Research and Gathering Information

Alignment to CCSS	Skills	K	1	2	3	4	5	6
R15, R17, ISTE 3B	Use age-appropriate technology to locate, collect, and organize content for a specific purpose		I	I	R	M	M	M
R15, R17, ISTE 3B	Perform basic searches on a database (I.E. library card catalogue, encyclopedia) to locate information			I	R	M	M	M
R15, R17, ISTE 3C	Evaluate Internet resources in terms of their usefulness for research			I	R	M	M	M
R17, ISTE 3D	Use content specific technology sites		I	I	R	R	M	M
R16, R17, R19, ISTE 2B	Use Web 2.0 tools (online discussion, blogs, google classroom, sharing, etc.) to gather and share information		I	I	R	R	M	M
R17, ISTE 3C	Identify and analyze the purpose of a media message (inform, persuade, entertain)			I	R	M	M	M
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## Elementary - Communication and Collaboration

Alignment to CCSS	Skills	K	1	2	3	4	5	6
W6, ISTE 2A	Work collaboratively online with other students under teacher supervision			I	R	M	M	M
W6, W10, ISTE 2B	Use a variety of age-appropriate technologies to communicate and exchange ideas			I	R	M	M	M
W6, W10, SL2, SL5, ISTE 3B	Create projects that use text and various forms of graphics, audio, and video to communicate ideas			I	R	M	M	M
W6, W10, SL3, ISTE 3B	Evaluate multimedia presentations for organization, content, design, and appropriateness of citations				I	R	M	M
W6, W10, SL1, ISTE 2A, ISTE 2B	Use District approved WEB 2.0 tools for communication and collaboration			I	R	M	M	M
	<b>I-Introduce R-Reinforce M-Mastery</b>							