

# PLAINVILLE PUBLIC SCHOOLS



## TECHNOLOGY SCOPE AND SEQUENCE GRADES K-6

The Technology Scope and Sequence was adapted from <http://structuredlearning.net> and was revised to support technology integration across the curriculum in the Plainville school district. This document outlines the required skills for grades K-6 based on ISTE National Standards and the Common Core Standards.

# K-6 TECHNOLOGY SCOPE AND SEQUENCE

Aligned with ISTE Standards and CCSS

Review each skill with I/W/M/C under "ISTE" as students accomplish it  
(ISTE refers to the ISTE Standard addressed by the skill)

<b>IS TE</b>	<b>I-Introduced; W-Working on; M-Mastered; C-Completed</b>														
	<b>*****Achievement Evaluation Key*****</b>														
	<b>I – Students are first introduced to the skills</b>														
	<b>W – Students grasp and apply the key skills required of the standards with support</b>														
	<b>M – Students apply the key skills required of the standards independently for specific tasks.</b>														
	<b>C – Students apply the key skills required of the standards to complete in-depth projects across the curriculum.</b>														
<b>I</b>	<b>Computers and Applications</b>								<b>K</b>						
	<b>Students demonstrate proficiency in the use of computers and applications, as well as an understanding of the concepts underlying hardware, software and connectivity</b>														
	<b>Basic Operations</b>														
	<b>K.1.BO.1</b> - Know hardware names such as desktops laptops, notebooks, and tablets	I													
	<b>K.1.BO.2</b> - Know parts of keyboard--keys, numbers, arrows and esc	I													
	<b>K.1.BO.3</b> - Know escape, period key, shift key, spacebar and tab	I													
	<b>K.1.BO.4</b> - Understand the difference between power buttons on monitor and computer	I													
	<b>K.1.BO.5</b> - Know how to use the volume button on computer	I													
	<b>Operating Systems</b>														
	<b>K.1.OS.1</b> - Know how to Log-on/Log-off and Switch User	I													
	Know how to Ctr+Alt+Del														
	<b>K.1.OS.2</b> - Know how to Open/Close programs	I													
	<b>K.1.OS.3</b> - Know the difference between Save and Save As	I													
	<b>K.1.OS.4</b> - Know how to use basic pointer skills and selection with mouse (i.e. clicking and moving a mouse) and to highlight text in an on-screen environment	I													
	<b>K.1.OS.5</b> - Know how to use scroll bars to scroll vertically and horizontally within a page	I													
	<b>K.1.OS.6</b> - Know how to use highlighting tool to highlight text or images, and drag and drop in selected location	I													
	<b>K.1.OS.7</b> - Understand concepts of taskbar, start button and icons	I													
	<b>K.1.OS.8</b> - Know how to save to network file folder	I													
	<b>Mouse Skills</b>								<b>K</b>						
	<b>K.1.MS.1</b> - Know how to click, hold, and drag	I													
	<b>K.1.MS.2</b> - Know how to double click	I													
	<b>K.1.MS.3</b> - Know how to hover	I													
	Understand the difference between left-click and right-click buttons														

<b>Word Processing</b>									
	<i>K.1.WP.1 - Know the basics of word processing</i>	I							
	<i>K.1.WP.2 - Know how to use online word processing programs</i>	I							
	<i>K.1.WP.3 - Know how to use classroom principles of grammar, spelling when word processing on computer</i>	I							
	<i>K.1.WP.4 - Know how to insert pictures</i>	I							
<b>Internet</b>									
	<i>K.1.I.1 - Know how to open a browser and bookmark a webpage or save to Favorites</i>	I							
	<i>K.1.I.2 - Know how to use a website—Home and Back button, links, scroll bars, toggle pages, and search in Favorites</i>	I							
<b>Digital Storytelling</b>									
	<i>K.1.DS.1 - Know how to compose short stories in online tools</i>	I							
	<i>K.1.DS.2 - Know how to use select digital tools to collaborate and publish with peers employing a variety of digital environments and media</i>	I							
	<i>K.1.DS.3 - Know how to use drawing software and web-based tools efficiently</i>	I							
	<i>K.1.DS.4 - Know how to insert images/clipart</i>	I							
	<i>K.1.DS.5 - Know how to resize/move/crop/wrap an image/clipart</i>	I							
	<i>K.1.DS.6 - Know how to mix text and pictures to convey unique message</i>	I							
<b>2</b>	<b>Responsible Use of Technology</b>	<b>K</b>							
<b>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</b>									
<b>Computers and Society</b>									
	<i>K.2.CS.1 - Demonstrate personal responsibility for lifelong learning (i.e. respectfulness)</i>	I							
	<i>K.2.CS.2 - Understand netiquette expected on digital citizens</i>	I							
	<i>K.2.CS.3 - Know when to keep out of others' files and folders unless permitted</i>	I							
<b>Ethics and Society</b>									
	<i>K.2.ES.1 - Follow classroom rules for the responsible use of computers peripheral devices, and resources</i>	I							
	<i>K.2.ES.2 - Explain the importance of giving credit to media creators when using their work in student projects.</i>	I							
	<i>K.2.ES.3 - Explain and follow school rules for safe and ethical Internet use</i>	I							
	<i>K.2.ES.4 - Explain that a password helps protect the privacy of information</i>	I							
<b>3</b>	<b>Communication and Collaboration</b>	<b>K</b>							
<b>Students use digital media and environments to communicate/ work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</b>									
	<i>K.3.CC.1 - Understand how to communicate information and ideas effectively to multiple audiences using a variety of media and formats</i>	I							
	<i>K.3.CC.2 - Develop cultural understanding and global awareness by engaging with learners of other cultures</i>	I							
	<i>K.3.CC.3 - Know how to compare and contrast documents across varied digital media</i>	I							
	<i>K.3.CC.4 - Know how to use technology to produce and publish writing, and interact/collaborate with others</i>	I							
	<i>K.3.CC.5 - Explore digital tools to produce and publish writing</i>	I							
	<i>K.3.CC.6 - Explore digital tools to collaborate with peers</i>	I							
	<i>K.3.CC.7 - Know how to use multimedia to aid comprehension</i>	I							
	<i>K.3.CC.8 - Know how to ask and answer questions from information presented from various media</i>	I							

	<i>K.3.CC.9 - Know how to include audio recordings and multimedia displays to enhance main ideas</i>	I							
	<i>K.3.CC.10 - Know how to use multimedia to organize ideas, concepts, info to aid comprehension</i>	I							
<b>5</b>	<b>Critical thinking, Problem solving and Decision making</b>	<b>K</b>							
<i>Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources</i>									
	<b>Critical thinking &amp; Problem solving</b>								
	<i>K.5.CP.1 - Understand how to identify, define authentic problems and questions</i>	I							