

# 1st Grade iExplore Lab Scope and Sequence: 2021-2022

Topics	Library Skills	Design Thinking	Coding	Digital Citizenship	Technology Exploration
<b>Learning Objectives</b>	<p>Students will learn how to access ebooks on Destiny.</p> <p>Students will continue learning book care rules and vocabulary concerning the library and books.</p>	<p>Students will use a variety of resources within a design process to identify and solve problems by creating new, useful or imaginative solutions.</p>	<p>Students will apply the principles of writing code through unplugged activities.</p> <p>Students will participate in coding activities using directional terms.</p>	<p>Students will recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world.</p> <p>Students will act and model in ways that are safe, legal and ethical.</p>	<p>Students will be able to log in to the district student account.</p> <p>Students will be able to find and navigate websites.</p> <p>Students will use digital information sources and tools appropriately to design solutions based on peer feedback.</p> <p>Students will understand the fundamental concepts of technology operations, demonstrate the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies</p>
<b>Academic Vocabulary</b>	spine title cover	brainstorm design thinking empathize	coding directional terms (diagonal, left, right)	password username privacy	internet online website

	<p>author illustrator barcode shelf marker digital ebooks</p>	<p>define ideate prototype blueprint test communication creativity critical thinking collaboration</p> <p><a href="#">Engineering Design Process poster</a></p> <p><a href="#">Design Thinking poster</a></p>	<p>left right up down north south east west</p>	<p>internet online offline media device website</p>	<p>digital</p>
<p><b>Lessons and Resources</b></p>	<p>Make predictions Sequence basic relevant information Ask questions and set a purpose for reading Connect new ideas with prior knowledge</p> <p><a href="#">Destiny</a></p> <p>Start checkout in September at the earliest. Limit book selections to specific areas for K-1.</p>	<p><a href="#">Design Thinking Website</a></p> <p><a href="#">Design Thinking Projects</a></p> <p><a href="#">PBSkids Design Squad</a></p> <p><a href="#">Design Thinking Challenge Sheet</a></p> <p><a href="#">Task cards</a></p> <p><a href="#">Defined Learning</a></p> <p><a href="http://teachengineering.org">teachengineering.org</a>-STEM Curriculum for K-12</p> <p>Books- If I Built a Car If I Built a School If I Built a House-</p>	<p>Define coding; directional terms</p> <p><a href="#">Coding Stations</a></p> <p><a href="#">ScratchJr-</a> *add Scratch Jr app to Chromebooks <a href="#">Introducing Scratch Jr. to Students</a> <a href="#">Scratch Jr Resources</a></p> <p><a href="#">Bits and Bricks</a> <a href="http://www.kodable.com">www.kodable.com</a></p> <p><a href="#">Coding Facilitative Questions</a></p>	<p><a href="#">CommonSense Media: updated Gr 1 Lessons</a></p> <p>Additional resources: <a href="#">ikeepsafe Educators</a> <a href="http://netsafeutah.org">netsafeutah.org</a></p> <p><a href="#">Internet Safety-Netsmartz</a></p>	<p>Define Information Literacy Website searching Appropriate websites</p> <p><a href="#">I want to research printable</a></p> <p><a href="#">Chromebook Keyboard Image</a></p> <p>Typing Club program- Jungle Junior: Set up by going to Clever &gt;Typing Club &gt;Classes &gt;Assignments &gt;Assign Lesson Plan &gt;Search for Jungle Junior</p>

		<a href="#">blueprint</a> <a href="#">STEM &amp; iExplore book list</a> <a href="#">Facilitative Questions for Maker Activities</a>			
<b>Assessments</b>		<a href="#">Primary 4Cs Rubric</a>	Informal Checklist-directional codes <a href="#">Reflection Journal</a>	<a href="#">Common Sense Media Assessment</a>	
<b>Suggested Standards</b>		<a href="#">ISTE Standards</a>	<a href="#">Arizona Computer Science Standards</a> <a href="#">AZ Ed Tech Standards by grade level</a>	<a href="#">ISTE Standards</a> <a href="#">Arizona Computer Science Standards</a> <a href="#">AZ Ed Tech Standards by grade level</a>	<a href="#">Arizona Computer Science Standards</a> <a href="#">ISTE Standards</a>