

## 5th Grade iExplore Lab Scope and Sequence: 2021-2022

Topics	Design Thinking Process	Keyboarding Skills (Not a stand alone unit)	Digital Citizenship	Technology Skills	Career Exploration
<b>Learning Objectives</b>	Students will use a variety of resources within a design process to identify and solve problems by creating new, useful or imaginative solutions.	Students will use home row and correct finger placement on the keyboard to improve speed and accuracy.  Typing goals: 90% accuracy 25 WPM	Students will recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world.  Students will act and model in ways that are safe, legal and ethical.	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.	Students will: <ul style="list-style-type: none"> <li>● Gain a better understanding of their top strengths</li> <li>● Reflect on how their strengths can be used to accomplish their goals</li> <li>● Identify their learning style</li> <li>● Learn about their community and activities</li> <li>● Explore career clusters and Dysart CTE programs</li> </ul>
<b>Academic Vocabulary</b>	brainstorm design thinking empathize define ideate prototype test blueprint communication creativity critical thinking collaboration	keyboard accuracy speed wpm: words per minute homerow	citations MLA Style citations alteration distortion online only in-person face-to-face upstanding dilemmas privacy policies targets stereotypes copyright cyberbullying	site-specific tech robotics coding	career clusters occupation CTE learning styles

<p><b>Lessons and Resources</b></p>	<p><a href="#">Defined Learning</a> projects by grade level</p> <p><a href="#">Defined Learning Protocol</a></p> <p><a href="#">Design Thinking Website</a></p> <p><a href="#">Design Thinking Project Ideas</a></p> <p><a href="#">PBSkids Design Squad</a></p> <p>STEM lessons &amp; resources: <a href="#">Try Engineering</a></p> <p><a href="#">teachengineering.org</a></p> <p><a href="#">vivifystem.com/</a></p> <p><a href="#">Maricopa Co STEM Resources</a></p> <p><a href="#">nicerc.org</a></p> <p><a href="#">Facilitative Questions for Maker Activities</a></p>	<p>Speed and Accuracy <a href="https://www.typing.com/student/games">https://www.typing.com/student/games</a></p> <p><a href="https://www.typingclub.com/">https://www.typingclub.com/</a></p> <p>Add Typing Club to your Clever page to monitor students' progress.</p> <p><a href="#">Dance Mat Typing</a></p> <p><a href="#">Typing.com</a></p> <p><a href="#">Free Typing Games</a></p>	<p><a href="#">Common Sense Media: updated Gr 5 Lessons</a></p> <p><a href="#">What's Cyber Bullying</a> What is cyberbullying and what can you do to stop it?</p> <p><a href="#">Digital Friendships</a> How do you keep online friendships safe?</p> <p><a href="#">Finding My Media Balance</a> What does media balance mean for me?</p> <p><a href="#">CommonSense Media Videos</a></p> <p><a href="#">Be Internet Awesome Curriculum</a> - lessons</p> <p><a href="#">Interland: Dig Cit Game</a> <a href="#">Be Internet Awesome PD</a></p>	<p><a href="#">Email format and etiquette lessons</a></p> <p><a href="#">CS First Coding Kits</a></p> <p><a href="#">CodeHS Middle School courses</a>: coding, web design, virtual reality, etc.</p> <p><a href="#">CodeHS.com</a></p> <p><a href="#">Scratch.mit.edu</a></p> <p><a href="#">Code.org</a>- grade level curriculum</p> <p>Virtual VEX coding: <a href="https://vr.vex.com/">https://vr.vex.com/</a></p> <p><a href="#">Coding Facilitative Questions</a></p> <p><a href="#">Google Applied Digital Skills</a></p> <p>Exploring Google Docs: <a href="#">Google Docs Scavenger Hunt for Students</a></p> <p><a href="#">Tinkercad</a></p>	<p><a href="#">DUSD ECAP Scope and Sequence (Grades 5-8)</a> - review for additional resources</p> <p><b>Personal/Social Exploration</b></p> <p><a href="#">Who Am I? Lesson (Scholastic)</a></p> <p><a href="#">Who Am I Worksheet (scholastic)</a></p> <p>Identify and discuss top interests and strengths.</p> <p>Discuss businesses within your community to learn more about. (IRIS, UPS, etc.)</p> <p><a href="#">Learning Styles Survey?</a></p> <p><b>Career Exploration</b></p> <p>Complete the <a href="#">Career Clusters Inventory</a>, printable</p> <p>Introduce CTE programs at each Dysart high school by exploring each high school CTE poster and what programs are offered.</p> <p>Learn what a career cluster is. <a href="#">Career Clusters (16 total)</a></p> <p>What do you want to do for a living? <a href="https://www.mynextmove.org/">https://www.mynextmove.org/</a></p>
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<b>Assessments</b>	<p>Students have a design thinking rubric and do self assessments as well as peer assessments during their lessons.  <a href="#">iExplore Rubric</a></p>	<p>Progress is tracked in the online programs and assessments are within the program.</p>	<p>Interland curriculum has an assessment at the end of each lesson. Students cannot move on until they pass the assessment.</p>		
<b>Suggested Standards</b>		<p><a href="#">Arizona Computer Science Standards</a></p>	<p><a href="#">ISTE Standards</a></p> <p><a href="#">Arizona Computer Science Standards</a></p> <p><a href="#">AZ Ed Tech Standards by grade level</a></p>	<p><a href="#">K-12 Computer Science Framework</a></p> <p><a href="#">ISTE Standards</a></p> <p><a href="#">Arizona Computer Science Standards</a></p>	

\*Some school sites will have 5th grade electives.