

Name: Robert Lefrandt		Grading Quarter: 4	Week Beginning: 03/17/2025
School Year: 2024-25		Subject: Software & App Design	
Monday	<p>Notes: Minecraft for Education (Python)</p> <p>Amazon Future Engineers (AFE) (Python)</p> <p>Kahn Academy</p> <p>Microsoft Visual Code for Educators Python resources: pythontutor</p>	<p>Monday: No School – Prof Dev</p> <p>Students will:</p> <ul style="list-style-type: none"> <li>continue to define what the Software &amp; App Class is and what are the Arizona State Standards, skills, and possible credentials, certifications.</li> <li>Understand the front and back end of a web-stack</li> <li>Recognize various programming <b>Learning Management Systems</b> (LMS)</li> <li>Aware of other programming resources</li> </ul> <p>Lesson Overview: Online Courses, LMS examples: Learn JavaScript and Python</p> <ul style="list-style-type: none"> <li>Start with WebStack: front-end: HTML , CSS. JavaScript using freecodecamp</li> <li>Create accounts for freecodecamp.org <ul style="list-style-type: none"> <li>HTML</li> <li>Cascading Style Sheets (CSS)</li> <li>Resources: <ul style="list-style-type: none"> <li>w3schools.com</li> <li>Stackoverflow.com</li> </ul> </li> </ul> </li> <li>TechSmart: CS Python Learning Management System (LMS) <ul style="list-style-type: none"> <li>Login to online Python Student Accounts</li> <li><a href="http://www.techsmart.codes/">www.techsmart.codes/</a></li> <li>4 lists</li> <li>4.1 Lists and For-Each Loops</li> <li>4.2 List Operations</li> <li>4.3 Advanced List Operations</li> <li>4.4 Strings as Collections</li> <li>String Operations</li> <li>Unit 4 Test</li> <li>Begin Unit 4 -Lists</li> </ul> </li> <li>Raspberry Pi Pico – Thonny(IDE) Python <ul style="list-style-type: none"> <li>Met/w Fish &amp; Game- Ari &amp; Charles-Robotics</li> </ul> </li> <li>VEX Robotics- High Stakes – VEX V5 vr.vex.com -Block/Python</li> <li>Leading Arizona – BRHS Top 1-6 scores</li> <li>AI/VEX AI</li> </ul>	<p>Academic Standards:</p> <p><b>Arizona CTE: Software &amp; App Design 11.0202.00 Technical Standards</b></p> <p><b>Domain 1 Coding/ Programming STANDARD 17.0 EMPLOY OBJECT-ORIENTED PROGRAMMING TECHNIQUES</b></p> <p><b>Domain 2 Software/ Application Development</b></p> <p><b>STANDARD 12.0 DEVELOP A PROGRAM</b></p>

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