

Name: Robert Lefrandt		Grading Quarter: 4	Week Beginning: 04/13/2025
School Year: 2024-25		Subject: Software & App Design	
Monday	Notes: Minecraft for Education (Python) Amazon Future Engineers (AFE) (Python) Kahn Academy Microsoft Visual Code for Educators Python resources: pythontuto r	<p>Monday: Students will:</p> <ul style="list-style-type: none">• continue to define what the Software & App Class is and what are the Arizona State Standards, skills, and possible credentials, certifications.• Understand the front and back end of a web-stack• Recognize various programming Learning Management Systems (LMS)• Aware of other programming resources <p>Lesson Overview: Online Courses, LMS examples: Learn JavaScript and Python</p> <ul style="list-style-type: none">• Start with WebStack: front-end: HTML , CSS. JavaScript using freecodecamp• Create accounts for freecodecamp.org<ul style="list-style-type: none">◦ HTML, Cascading Style Sheets (CSS), JavaScript, Embedded Math (College Algebra)◦ Resources:<ul style="list-style-type: none">▪ w3schools.com▪ Stackoverflow.com• TechSmart: CS Python Learning Management System (LMS)<ul style="list-style-type: none">◦ Login to online Python Student Accounts◦ www.techsmart.codes/◦ 4 lists◦ 4.1 Lists and For-Each Loops◦ 4.2 List Operations◦ 4.3 Advanced List Operations◦ 4.4 Strings as Collections◦ String Operations◦ Unit 4 Test◦ Begin Unit 4 -Lists• Raspberry Pi Pico – Thonny(IDE) Python<ul style="list-style-type: none">◦ Met/w Fish & Game- Ari && Charles-Robotics• VEX Robotics- –vr.vex.com<ul style="list-style-type: none">◦ VEX V5-High Stakes◦ VEX IQ-Rapid Relay- Block/Python◦ Leading Arizona – BRHS Top 1-6 scores, BRES #6• AI/VEX AI	<p>Academic Standards:</p> <p>Arizona CTE: Software & App Design 11.0202.00 Technical Standards</p> <p>Domain 1 Coding/ Programming STANDARD 17.0 EMPLOY OBJECT- ORIENTED PROGRAMMING TECHNIQUES</p> <p>Domain 2 Software/ Application Development</p> <p>STANDARD 12.0 DEVELOP A PROGRAM</p>

Tuesday	<p>Notes:</p> <p>Minecraft for Education (Python)</p> <p>Amazon Future Engineers (AFE) (Python)</p> <p>Kahn Academy</p> <p>Microsoft Visual Code for Educators Python</p> <p>resources: pythontutor</p>	<p>Students will:</p> <ul style="list-style-type: none"> continue to define what the Software & App Class is and what are the Arizona State Standards, skills, and possible credentials, certifications. Understand the front and back end of a web-stack Recognize various programming Learning Management Systems (LMS) Aware of other programming resources <p>Lesson Overview:</p> <p>Online Courses, LMS examples: Learn JavaScript and Python</p> <ul style="list-style-type: none"> Start with WebStack: front-end: HTML , CSS. JavaScript using freecodecamp Create accounts for freecodecamp.org <ul style="list-style-type: none"> HTML, Cascading Style Sheets (CSS), JavaScript, Embedded Math (College Algebra) Resources: <ul style="list-style-type: none"> w3schools.com Stackoverflow.com TechSmart: CS Python Learning Management System (LMS) <ul style="list-style-type: none"> Login to online Python Student Accounts www.techsmart.codes/ 4 lists 4.1 Lists and For-Each Loops 4.2 List Operations 4.3 Advanced List Operations 4.4 Strings as Collections String Operations Unit 4 Test Begin Unit 4 -Lists Raspberry Pi Pico – Thonny(IDE) Python <ul style="list-style-type: none"> Met/w Fish & Game- Ari && Charles-Robotics VEX Robotics- –vr.vex.com <ul style="list-style-type: none"> VEX V5-High Stakes VEX IQ-Rapid Relay- Block/Python Leading Arizona – BRHS Top 1-6 scores, BRES #6 AI/VEX AI 	<p>Academic Standards:</p> <p>Arizona CTE: Software & App Design 11.0202.00 Technical Standards</p> <p>Domain 1 Coding/ Programming STANDARD 17.0 EMPLOY OBJECT-ORIENTED PROGRAMMING TECHNIQUES</p> <p>Domain 2 Software/ Application Development</p> <p>STANDARD 12.0 DEVELOP A PROGRAM</p>
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