Name: Robert Lefrandt		Grading Quarter: 4	Week Beginr 03/24/202	-	
Sch	School Year: 2024-25		Subject: Software & App Design		
Monday	Notes: Minecaft for Education (Python) Amazon Future Engineers (AFE) (Python)	<ul> <li>Students will:</li> <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 Learning Management Systems (LMS)</li> <li>Aware of other programming resources</li> </ul>			Academic Standards: Arizona CTE: Software & App Design 11.0202.00 Technical Standards Domain 1
	Kahn Academy Microsoft Visual Code for Educators Python resources:	Online Courses, I Start with freecoded Create ac HTML Embe Resou	MS examples: Learn Ja WebStack: front-end: camp counts for freecodecar , Cascading Style Sheet dded Math (College Alg	HTML , CSS. JavaScript using np.org s (CSS), JavaScript,	Coding/ Programming STANDARD 17.0 EMPLOY OBJECT- ORIENTED PROGRAMMING TECHNIQUES
	pythontuto r	<ul> <li>TechSman</li> <li>Login</li> </ul>	to online Python Stude techsmart.codes/	Management System (LMS) nt Accounts	Domain 2 Software/ Application Development
		<ul> <li>4.1 L</li> <li>4.2 L</li> <li>4.3 A</li> <li>4.4 S</li> <li>String</li> <li>Unit 4</li> <li>Begir</li> <li>Raspber</li> <li>Met/v</li> <li>VEX Robot</li> <li>VEX VE</li> </ul>	ists and For-Each Lo ist Operations dvanced List Operati Strings as Collections g Operations 4 Test n Unit 4 -Lists ry Pi Pico – Thonny(I v Fish & Game- Ari & cics- –vr.vex.com 5-High Stakes Q-Rapid Relay- Block/Pyth Arizona – BRHS Top	ons DE) Python & Charles-Robotics	STANDARD 12.0 DEVELOP A PROGRAM

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	Notes:	Students will:	Academic
	Minecaft for	<ul> <li>continue to define what the Software &amp; App Class is and what are the Arizona State Standards, skills, and passible</li> </ul>	Standards:
	Education	what are the Arizona State Standards, skills, and possible credentials, certifications.	Arizona CTE:
	(Python)		Software & App
	(Fython)		Design
	Amazon	<ul> <li>Recognize various programming Learning Management</li> <li>Systems (LMS)</li> </ul>	11.0202.00 Technical Standards
	Future	<ul> <li>Aware of other programming resources</li> </ul>	
	Engineers	• Aware of other programming resources	
	(AFE)		
	(Python)	Lesson Overview:	Domain 1
		Online Courses, LMS examples: Learn JavaScript and Python	Coding/ Programming STANDARD 17.0
	Kahn		
	Academy	• Start with WebStack: front-end: HTML , CSS. JavaScript using	
		freecodecamp	EMPLOY
	Microsoft Visual Code	<ul> <li>Create accounts for freecodecamp.org</li> </ul>	OBJECT- ORIENTED
		<ul> <li>HTML, Cascading Style Sheets (CSS), JavaScript,</li> </ul>	PROGRAMMING
	for Educators	Embedded Math (College Algebra)	TECHNIQUES
	Python	Resources:	
Tuesday	Fython	<ul> <li>w3schools.com</li> </ul>	
sda	resources: pythontuto	<ul> <li>Stackoverflow.com</li> </ul>	Domain 2
γe		<ul> <li>TechSmart: CS Python Learning Management System (LMS)</li> </ul>	Software/
	r		Application
		<ul> <li>Login to online Python Student Accounts</li> </ul>	Development
		<ul> <li><u>www.techsmart.codes/</u></li> </ul>	
		∘ 4 lists	CTANDADD 12 0
		<ul> <li>4.1 Lists and For-Each Loops</li> </ul>	STANDARD 12.0 DEVELOP A
		<ul> <li>4.2 List Operations</li> </ul>	PROGRAM
		<ul> <li>4.3 Advanced List Operations</li> </ul>	
		<ul> <li>4.4 Strings as Collections</li> </ul>	
		<ul> <li>String Operations</li> </ul>	
		<ul> <li>Unit 4 Test</li> </ul>	
		<ul> <li>Begin Unit 4 -Lists</li> </ul>	
		<ul> <li>Raspberry Pi Pico – Thonny(IDE) Python</li> </ul>	
		<ul> <li>Met/w Fish &amp; Game- Ari &amp;&amp; Charles-Robotics</li> </ul>	
		VEX Roboticsvr.vex.com	
		<ul> <li>VEX V5-High Stakes</li> </ul>	
		<ul> <li>VEX IQ-Rapid Relay- Block/Python</li> </ul>	
		Leading Arizona – BRHS Top 1-6 scores, BRES on list	
		AI/VEX AI	

	Notes:	Students will:	Academic Standardar
	Minecaft for	<ul> <li>continue to define what the Software &amp; App Class is and what are the Arizona State Standards, skills, and passible</li> </ul>	Standards:
	Education	what are the Arizona State Standards, skills, and possible credentials, certifications.	Arizona CTE:
	(Python)	<ul> <li>Understand the front and back end of a web-stack</li> </ul>	Software & App
	(Fython)	<ul> <li>Recognize various programming Learning Management</li> </ul>	Design
	Amazon	Systems (LMS)	11.0202.00
	Future	<ul> <li>Aware of other programming resources</li> </ul>	Technical
	Engineers		Standards
	(AFE)		
	(Python)	Lesson Overview:	Domain 1
		Online Courses, LMS examples: Learn JavaScript and Python	Coding/ Programming STANDARD 17.0
	Kahn		
	Academy Microsoft Visual Code for	• Start with WebStack: front-end: HTML , CSS. JavaScript using	
		freecodecamp	EMPLOY OBJECT-
		<ul> <li>Create accounts for freecodecamp.org</li> </ul>	ORIENTED
		<ul> <li>HTML, Cascading Style Sheets (CSS), JavaScript,</li> </ul>	PROGRAMMING
	Educators	Embedded Math (College Algebra)	TECHNIQUES
l ≶	Python	Resources:	
dr		<ul> <li>w3schools.com</li> </ul>	
Wednesday	resources: pythontuto	<ul> <li>Stackoverflow.com</li> </ul>	Domain 2
		<ul> <li>TechSmart: CS Python Learning Management System (LMS)</li> </ul>	Software/
	r	<ul> <li>Login to online Python Student Accounts</li> </ul>	Application
			Development
		www.censmarc.eoues_	
		• 4 lists	STANDARD 12.0
		<ul> <li>4.1 Lists and For-Each Loops</li> </ul>	DEVELOP A
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	Minecaft	continue to define what the Software & App Class is and	Standards:
	for	what are the Arizona State Standards, skills, and possible	Arizona CTE:
	Education	credentials, certifications.	Software & App
	(Python)	Understand the front and back end of a web-stack	Design
	Amazon	Recognize various programming Learning Management     Sustaina (LMS)	11.0202.00
	Future	<ul> <li>Systems (LMS)</li> <li>Aware of other programming resources</li> </ul>	Technical
	Engineers	Aware of other programming resources	Standards
	(AFE)		
	(Python)	Lesson Overview:	Domain 1
		Online Courses, LMS examples: Learn JavaScript and Python	Coding/
	Kahn		Programming
	Academy	• Start with WebStack: front-end: HTML , CSS. JavaScript using	STANDARD 17.0
		freecodecamp	EMPLOY
	Microsoft Visual Code	<ul> <li>Create accounts for freecodecamp.org</li> </ul>	OBJECT- ORIENTED
		<ul> <li>HTML, Cascading Style Sheets (CSS), JavaScript,</li> </ul>	PROGRAMMING
	for Educators	Embedded Math (College Algebra)	TECHNIQUES
_	Python	Resources:	
Thursday	Fython	<ul> <li>w3schools.com</li> </ul>	
rsd	resources: pythontuto	<ul> <li>Stackoverflow.com</li> </ul>	Domain 2
ay		<ul> <li>TechSmart: CS Python Learning Management System (LMS)</li> </ul>	Software/
	r		Application
		<ul> <li>Login to online Python Student Accounts</li> </ul>	Development
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	Education	credentials, certifications.	Arizona CTE:
	(Python)	<ul> <li>Understand the front and back end of a web-stack</li> </ul>	Software & App
	<b>A</b>	Recognize various programming Learning Management	Design
	Amazon	Systems (LMS)	11.0202.00
	Future Engineers	<ul> <li>Aware of other programming resources</li> </ul>	Technical
	(AFE)		Standards
	(AFE) (Python)		
	Kahn	Lesson Overview:	Domain 1
		Online Courses, LMS examples: Learn JavaScript and Python	Coding/
	Academy		Programming
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	for	<ul> <li>HTML, Cascading Style Sheets (CSS), JavaScript,</li> </ul>	ORIENTED
	Educators	Embedded Math (College Algebra)	PROGRAMMING
	Python	<ul> <li>Resources:</li> </ul>	TECHNIQUES
꾸		<ul> <li>w3schools.com</li> </ul>	
Friday		<ul> <li>Stackoverflow.com</li> </ul>	
ay		TechSmart: CS Python Learning Management System (LMS)	Domain 2
			Software/
			Application
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