Name: Robert Lefrandt	Grading Quarter: 4	Week Beginning: 08/06/2024
School Year: 2024-25	Subject: Software & App Design	

	Notes:	Objective:	Academic Standards:
Monday		Objective: Students will: define what the Software & App Class is and what are the Arizona State Standards, skills, and possible credentials, certifications. Lesson Overview: **Look at Arizona State Standards** - Software & App Design: Define what is.	**Arizona CTE: Software & App Design 11.0202.00 Technical Standards**
Tuesday	Notes: **PCEP™ – Certified Entry-Level Python Programmer** (Exam PCEP-30-0x) PCEP™ – Certified Entry-Level Python Programmer certification shows that the individual is familiar with universal computer programming concepts like data types, containers, functions, conditions, loops, as well as Python programming language syntax, semantics, and the runtime environment. **pythoninstitute.org/pcep** **Certified Internet Web (CIW) JavaScript Specialist**	Objective: Students will: - 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 Lesson Overview: Online Courses, LMS examples: Learn JavaScript and Python - Minecraft for Education (Python) - Amazon Future Engineers (AFE) (Python) - Kahn Academy - Microsoft Visual Code for Educators - Start with front-end: HTML , CSS. JavaScript using freecodecamp - Create accounts for freecodecamp.org - Resources: - w3schools.com - Stackoverflow.com - Begin TechSmart: CS Python Learning Management System (LMS) - Login to online Python Student Accounts - https://www.techsmart.codes/ - resources: pythontutor	Academic Standards: **STANDARD 12.0 DEVELOP A PROGRAM** 12.1 Use a program editor to enter and modify code 12.2 Identify correct input/output statements

Wednesday	Notes:	Objective:	Academic Standards:
		Students will:	
		• continue to define what the Software & App Class is and what are the Arizona State Standards, skills, and possible credentials, certifications.	**STANDARD 12.0 DEVELOP A PROGRAM**
	PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)	• Understand the front and back end of a web-stack	
		• Recognize various programming **Learning Management Systems** (LMS)	12.1 Use a program editor to enter and modify code

	PCEP™ – Certified Entry-Level Python Programmer certification shows that the individual is familiar with universal computer programming concepts like data types, containers, functions, conditions, loops, as well as Python programming language syntax, semantics, and the runtime environment.	• Aware of other programming resources
		
		Lesson Overview:
		Online Courses, LMS examples: Learn JavaScript and Python
		• Minecraft for Education (Python)
		• Amazon Future Engineers (AFE) (Python)
		• Kahn Academy
		• Microsoft Visual Code for Educators
		• Start with front-end: HTML , CSS. JavaScript using freecodecamp
		• Create accounts for freecodecamp.org
		  ◦ Resources:
		    ▪ w3schools.com
		    ▪ Stackoverflow.com
		• Begin TechSmart: CS Python Learning Management System (LMS)
		  ◦ Login to online Python Student Accounts
		  ◦ https://www.techsmart.codes/
		  ◦ resources: pythontutor
			12.2 Identify correct input/output statements

	pythoninstitute.org/pcep **Certified Internet Web (CIW) JavaScript Specialist**		

Thursday	Notes:	Objective:	Academic Standards:

	PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)
	
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		Lesson Overview:
		## Online Courses, LMS examples: Learn JavaScript and Python
		
		• Minecraft for Education (Python)
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			STANDARD 12.0 DEVELOP A PROGRAM
			
			12.1 Use a program editor to enter and modify code
			
			12.2 Identify correct input/output statements

Friday	Notes:	Objective:	Academic Standards:

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			STANDARD 12.0 DEVELOP A PROGRAM
			
			12.1 Use a program editor to enter and modify code
			
			12.2 Identify correct input/output statements