

Name: Robert Lefrandt		Grading Quarter: 4	Week Beginning: Week 1 03/04/2024
School Year: 2023-24		Subject: Software & App Design	
Monday	Notes:	03/18/2024 Software & App Design – No School – Prof. Dev. Teachers Objective: Students will:	Academic Standards:
	<p>PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)</p> <p>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.</p> <p>pythoninstitute.org/pcep</p> <p>Certified Internet Web (CIW) JavaScript Specialist</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 backend of a web-stack Start with front-end: HTML and CSS using freecodecamp Begin TechSmart: CS Python Learning Management System (LMS) <p>Lesson Overview:</p> <ul style="list-style-type: none"> Look at Arizona State Standards Software & App Design: Define what is. Resources <ul style="list-style-type: none"> w3schools. Stackoverflow, pythontutor <p>Learning Management System (LMS) – Student Accounts Login</p> <ul style="list-style-type: none"> FreeCodeCamp – WebStack: <ul style="list-style-type: none"> 15 Steps per school day, 15x 5 = 75 steps Thurs.-Thurs. per school week <ul style="list-style-type: none"> Learn HTML by Building a Cat Photo App (steps 1-69) Learn Basic CSS by Building a Cafe Menu (steps 1-91) Learn CSS Colors by Building a Set of Colored Markers (steps 1-94) * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps Should be in Course “CSS Colors by Building a Set of Colored Markers” TechSmart – Python <ul style="list-style-type: none"> Unit 2 Decisions/L2.1: Conditionals(if) Lesson 2.2/Conditionals (elif and else) Industry Practice Unit 2 Quiz Code Your Own/Research Question Automation Industry Practice Debugging Comments and Style Lesson 2.3 Built-in Libraries Lesson 2.4 Booleans <p>Software and App Design - 11.0202.00</p> <p><u>Arizona Department of Education Website:</u> Program Description/Industry Credentials/Coherent Sequence/ www.azed.gov/cte/sd/</p> <p>***</p>	<p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>4.1 Declare numeric Boolean, character, string variables, and float and double, int</p> <p>4.2 Choose the appropriate data type for a given situation</p> <p>4.3 Identify the correct syntax and usage for constants and variables in a program</p> <ul style="list-style-type: none"> Naming conventions Difference and usage <p>STANDARD 12.0 DEVELOP A PROGRAM</p> <p>12.1 Use a program editor to enter and modify code</p> <p>12.2 Identify correct input/output statements</p> <p>12.3 Choose the correct method of assigning input to variables including data sanitization</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES</p> <p>14.1 Use standard library functions</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Tuesday</p>	<p>Notes:</p> <p>PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)</p> <p>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.</p> <p>pythoninstitute.org/pcep</p> <p>Certified Internet Web (CIW) JavaScript Specialist</p>	<p>03/19/2024 -</p> <p>Objective: 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 backend of a web-stack Start with front-end: HTML and CSS using freecodecamp Begin TechSmart: CS Python Learning Management System (LMS) <p>Lesson Overview:</p> <ul style="list-style-type: none"> Look at Arizona State Standards Software & App Design: Define what is. Resources <ul style="list-style-type: none"> w3schools. Stackoverflow, pythontutor <p>Learning Management System (LMS) – Student Accounts Login</p> <ul style="list-style-type: none"> FreeCodeCamp – WebStack: <ul style="list-style-type: none"> 15 Steps per school day, 15x 5 = 75 steps Thurs.-Thurs. per school week <ul style="list-style-type: none"> Learn HTML by Building a Cat Photo App (steps 1-69) Learn Basic CSS by Building a Cafe Menu (steps 1-91) Learn CSS Colors by Building a Set of Colored Markers (steps 1-94) * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps Should be in Course “CSS Colors by Building a Set of Colored Markers” TechSmart – Python <ul style="list-style-type: none"> Unit 2 Decisions/L2.1: Conditionals(if) Lesson 2.2/Conditionals (elif and else) Industry Practice Unit 2 Quiz Code Your Own/Research Question Automation Industry Practice Debugging Comments and Style Lesson 2.3 Built-in Libraries Lesson 2.4 Booleans <p>Software and App Design - 11.0202.00</p> <p><u>Arizona Department of Education Website:</u> Program Description/Industry Credentials/Coherent Sequence/ www.azed.gov/cte/sd/</p> <p>***</p>	<p>Academic Standards:</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>4.1 Declare numeric Boolean, character, string variables, and float and double, int</p> <p>4.2 Choose the appropriate data type for a given situation</p> <p>4.3 Identify the correct syntax and usage for constants and variables in a program</p> <ul style="list-style-type: none"> Naming conventions Difference and usage <p>STANDARD 12.0 DEVELOP A PROGRAM</p> <p>12.1 Use a program editor to enter and modify code</p> <p>12.2 Identify correct input/output statements</p> <p>12.3 Choose the correct method of assigning input to variables including data sanitization</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES</p> <p>14.1 Use standard library functions</p>
--	---	--	---

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Wednesday</p>	<p>Notes:</p> <p>PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)</p> <p>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.</p> <p>pythoninstitute.org/pcep</p> <p>Certified Internet Web (CIW) JavaScript Specialist</p>	<p>03/20/2024 -</p> <p>Objective: 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 backend of a web-stack Start with front-end: HTML and CSS using freecodecamp Begin TechSmart: CS Python Learning Management System (LMS) <p>Lesson Overview:</p> <ul style="list-style-type: none"> Look at Arizona State Standards Software & App Design: Define what is. Resources <ul style="list-style-type: none"> w3schools. Stackoverflow, pythontutor <p>Learning Management System (LMS) – Student Accounts Login</p> <ul style="list-style-type: none"> FreeCodeCamp – WebStack: <ul style="list-style-type: none"> 15 Steps per school day, 15x 5 = 75 steps Thurs.-Thurs. per school week <ul style="list-style-type: none"> Learn HTML by Building a Cat Photo App (steps 1-69) Learn Basic CSS by Building a Cafe Menu (steps 1-91) Learn CSS Colors by Building a Set of Colored Markers (steps 1-94) * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps Should be in Course “CSS Colors by Building a Set of Colored Markers” TechSmart – Python <ul style="list-style-type: none"> Unit 2 Decisions/L2.1: Conditionals(if) Lesson 2.2/Conditionals (elif and else) Industry Practice Unit 2 Quiz Code Your Own/Research Question Automation Industry Practice Debugging Comments and Style Lesson 2.3 Built-in Libraries Lesson 2.4 Booleans <p>Software and App Design - 11.0202.00</p> <p><u>Arizona Department of Education Website:</u> Program Description/Industry Credentials/Coherent Sequence/ www.azed.gov/cte/sd/</p> <p>***</p>	<p>Academic Standards:</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>4.1 Declare numeric Boolean, character, string variables, and float and double, int</p> <p>4.2 Choose the appropriate data type for a given situation</p> <p>4.3 Identify the correct syntax and usage for constants and variables in a program</p> <ul style="list-style-type: none"> Naming conventions Difference and usage <p>STANDARD 12.0 DEVELOP A PROGRAM</p> <p>12.1 Use a program editor to enter and modify code</p> <p>12.2 Identify correct input/output statements</p> <p>12.3 Choose the correct method of assigning input to variables including data sanitization</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES</p> <p>14.1 Use standard library functions</p>
--	---	--	---

Thursday	<p>Notes:</p> <p>PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)</p> <p>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.</p> <p>pythoninstitute.org/pcep</p> <p>Certified Internet Web (CIW) JavaScript Specialist</p>	<p>03/21/2024 -</p> <p>Objective: 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 backend of a web-stack Start with front-end: HTML and CSS using freecodecamp Begin TechSmart: CS Python Learning Management System (LMS) <p>Lesson Overview:</p> <ul style="list-style-type: none"> Look at Arizona State Standards Software & App Design: Define what is. Resources <ul style="list-style-type: none"> w3schools. Stackoverflow, pythontutor <p>Learning Management System (LMS) – Student Accounts Login</p> <ul style="list-style-type: none"> FreeCodeCamp – WebStack: <ul style="list-style-type: none"> 15 Steps per school day, 15x 5 = 75 steps Thurs.-Thurs. per school week <ul style="list-style-type: none"> Learn HTML by Building a Cat Photo App (steps 1-69) Learn Basic CSS by Building a Cafe Menu (steps 1-91) Learn CSS Colors by Building a Set of Colored Markers (steps 1-94) * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps Should be in Course “CSS Colors by Building a Set of Colored Markers” TechSmart – Python <ul style="list-style-type: none"> Unit 2 Decisions/L2.1: Conditionals(if) Lesson 2.2/Conditionals (elif and else) Industry Practice Unit 2 Quiz Code Your Own/Research Question Automation Industry Practice Debugging Comments and Style Lesson 2.3 Built-in Libraries Lesson 2.4 Booleans <p><u>Arizona Department of Education Website:</u> Program Description/Industry Credentials/Coherent Sequence/ www.azed.gov/cte/sd/</p> <p>***</p>	<p>Academic Standards:</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>4.1 Declare numeric Boolean, character, string variables, and float and double, int</p> <p>4.2 Choose the appropriate data type for a given situation</p> <p>4.3 Identify the correct syntax and usage for constants and variables in a program</p> <ul style="list-style-type: none"> Naming conventions Difference and usage <p>STANDARD 12.0 DEVELOP A PROGRAM</p> <p>12.1 Use a program editor to enter and modify code</p> <p>12.2 Identify correct input/output statements</p> <p>12.3 Choose the correct method of assigning input to variables including data sanitization</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES</p> <p>14.1 Use standard library functions</p>
----------	---	---	---

Friday	<p>Notes:</p> <p>PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)</p> <p>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.</p> <p>pythoninstitute.org/pcep</p> <p>Certified Internet Web (CIW) JavaScript Specialist</p>	<p>03/22/2024 –</p> <p>Objective: 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 backend of a web-stack Start with front-end: HTML and CSS using freecodecamp Begin TechSmart: CS Python Learning Management System (LMS) <p>Lesson Overview:</p> <ul style="list-style-type: none"> Look at Arizona State Standards Software & App Design: Define what is. Resources <ul style="list-style-type: none"> w3schools. Stackoverflow, pythontutor <p>Learning Management System (LMS) – Student Accounts Login</p> <ul style="list-style-type: none"> FreeCodeCamp – WebStack: <ul style="list-style-type: none"> 15 Steps per school day, 15x 5 = 75 steps Thurs.-Thurs. per school week <ul style="list-style-type: none"> Learn HTML by Building a Cat Photo App (steps 1-69) Learn Basic CSS by Building a Cafe Menu (steps 1-91) Learn CSS Colors by Building a Set of Colored Markers (steps 1-94) * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps Should be in Course “CSS Colors by Building a Set of Colored Markers” TechSmart – Python <ul style="list-style-type: none"> Unit 2 Decisions/L2.1: Conditionals(if) Lesson 2.2/Conditionals (elif and else) Industry Practice Unit 2 Quiz Code Your Own/Research Question Automation Industry Practice Debugging Comments and Style Lesson 2.3 Built-in Libraries Lesson 2.4 Booleans <p>Software and App Design - 11.0202.00</p> <p><u>Arizona Department of Education Website:</u> Program Description/Industry Credentials/Coherent Sequence/ www.azed.gov/cte/sd/</p> <p>***</p>	<p>Academic Standards:</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>4.1 Declare numeric Boolean, character, string variables, and float and double, int</p> <p>4.2 Choose the appropriate data type for a given situation</p> <p>4.3 Identify the correct syntax and usage for constants and variables in a program</p> <ul style="list-style-type: none"> Naming conventions Difference and usage <p>STANDARD 12.0 DEVELOP A PROGRAM</p> <p>12.1 Use a program editor to enter and modify code</p> <p>12.2 Identify correct input/output statements</p> <p>12.3 Choose the correct method of assigning input to variables including data sanitization</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES</p> <p>14.1 Use standard library functions</p>
--------	--	--	---