Name: Robert Lefrandt	Grading Quarter: 4	Week Beginning: Week 4 04/08/2024
School Year: 2023-24	Subject: Software & App Design	

Monday

Notes:

PCEP™ – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)

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pythoninstitute.org/pcep

Certified Internet Web (CIW) JavaScript Specialist

04/01/2024 Software & App Design –
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 backend of a web-stack
- Start with front-end: HTML and CSS using freecodecamp
- Begin TechSmart: CS Python Learning Management System (LMS)

Lesson Overview:

- **Look at Arizona State Standards**
- Software & App Design: Define what is.
- Resources
  - w3schools. Stackoverflow, pythontutor

Learning Management System (LMS) – Student Accounts Login

- FreeCodeCamp – WebStack:
  - 15 Steps per school day,
  - 15x 5 = 75 steps Thurs.-Thurs. per school week
    - Learn HTML by Building a Cat Photo App (steps 1-69)
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  - * **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
  - **Unit 2 Decisions/L2.1: Conditionals(if)**
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  - **Unit 2 Quiz**
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  - **Comments and Style**
  - **Lesson 2.3**
  - **Built-in Libraries**
  - **Lesson 2.4**
  - **Booleans**

Software and App Design - 11.0202.00

Arizona Department of Education Website:
Program Description/Industry Credentials/Coherent Sequence/
www.azed.gov/cte/sd/

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Academic Standards:

STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS

4.1 Declare numeric Boolean, character, string variables, and float and double, **int**

4.2 Choose the appropriate data type for a given situation

4.3 Identify the correct syntax and usage for constants and variables in a program
• Naming conventions
• Difference and usage

STANDARD 12.0 DEVELOP A PROGRAM

12.1 Use a program editor to enter and modify code

12.2 Identify correct input/output statements

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STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES

14.1 Use standard library functions

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04/10/2024 -

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Software and App Design - 11.0202.00

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