Name: Robert Lefrandt	Grading Quarter: 4	Week Beginning: 04/28/2025
School Year: 2024-25	Subject: Software & App Design	

Monday

Notes:
Minecaft for Education (Python)

Amazon Future Engineers (AFE) (Python)

Kahn Academy

Microsoft Visual Code for Educators Python resources: pythontutor

Monday:
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

- Start with WebStack: front-end: HTML , CSS. JavaScript using freecodecamp
- Create accounts for freecodecamp.org
  - HTML, Cascading Style Sheets (CSS), JavaScript, Embedded Math (College Algebra)
  - Resources:
    - w3schools.com
    - Stackoverflow.com
- TechSmart: CS Python Learning Management System (LMS)
  - 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
  - 4.5 String Operations
  - String Operations-Methods
  - Unit 4 Test
  - Unit 5 Dictionaires
- Raspberry Pi Pico – Thonny(IDE) Python
  - Met/w Fish & Game- Ari && Charles-Robotics
- VEX Robotics- –vr.vex.com
  - VEX V5-High Stakes
  - VEX IQ-Rapid Relay- Block/Python
  - Leading Arizona – BRHS Top 1-6 scores, BRES #6
- AI/VEX AI

Academic Standards:

Arizona CTE: Software & App Design
11.0202.00 Technical Standards

Domain 1 Coding/ Programming
STANDARD 17.0 EMPLOY OBJECT-ORIENTED PROGRAMMING TECHNIQUES

Domain 2 Software/ Application Development

STANDARD 12.0 DEVELOP A PROGRAM

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