Name: Robert Lefrandt	Grading Quarter: 3	Week Beginning: 01/13/2025
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	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) ◦ Resources: ▪ w3schools.com ▪ Stackoverflow.com • TechSmart: CS Python Learning Management System (LMS) ◦ Login to online Python Student Accounts ◦ www.techsmart.codes/ ◦ ◦ 3.2 Loops: Controlling Loops (break/exit, conti/skip) ◦ **3.3 Classes:** instance, method, attributes ◦ 3.3 Classes Worksheet ◦ 3.4 Graphics - Animation Raspberry Pi Pico – Thonny(IDE) Python	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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