Name: Robert Lefrandt	Grading Quarter: 4	Week Beginning: 05/12/2025
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: 2024-2025: Final Test 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 ◦ Unit 6 User Defined Functions-Any Students Work on? • 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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