Name: Robert Lefrandt	Grading Quarter: 1	Week Beginning: 7/31/2023
School Year: 2023-24	Subject: Automation & Robotics	

Monday	Notes:	7/31/2023 Objective: Lesson Overview: BRHS Robotics – No Class	Academic S

Tuesday	Notes:	8/1/2023 - 1st Day of Class **Objective:** Students will begin to define what the Automation & Robotics Class is and what are the Arizona State Standards, skills, and possible credentials/certifications. Lesson Overview: **Automation and Robotics - 15.0406.00** Automation & Robotics: Define what it is. **Overview of Class Expectations** Arizona Department of Education Website: Program Description/Industry Credentials/Coherent Sequence/ https://www.azed.gov/cte/ar/ https://live-az-ade.pantheonsite.io/sites/default/files/2021/06/ProgramDescription_AutomationAndRobotics.pdf **Arizona Career and Technical Education Professional Skills have 9 areas of measurement:** **https://www.azed.gov/cte/profskills/** **https://www.azed.gov/sites/default/files/2022/08/PrintablePreassessment.pdf** 1. Communication 2. Collaboration / Teaming Abilities 3. Thinking and Innovation / Problem Solving 4. Professionalism / Formal Behavior 5. Initiative and Self-Direction / Leadership 6. Intergenerational and Cross-Cultural Competence / Acceptance and Inclusion 7. Organizational Culture / Values 8. Legal and Ethical Practices / Safety 9. Financial Practices	Academic S https://www.

Wednesday	Notes:	8/2/2023- 2nd Day of Class Objective: Students will continue to define what the Automation & Robotics Class is and what are the Arizona State Standards, skills, and possible credentials/certifications. Lesson Overview: **Automation and Robotics - 15.0406.00** Automation & Robotics: Define what it is. Review of **Overview of Class Expectations** ***Possible quiz Wednesday or Thursday*** Arizona Department of Education Website: Program Description/Industry Credentials/Coherent Sequence/ https://www.azed.gov/cte/ar/ https://live-az-ade.pantheonsite.io/sites/default/files/2021/06/ProgramDescription_AutomationAndRobotics.pdf	Academic S https://www
Thursday	Notes:	8/3/2023- 3rd Day of Class Objective: Students will continue to define what the Automation & Robotics Class is and what are the Arizona State Standards, skills, and possible credentials/certifications. Lesson Overview: Automation & Robotics Define & apply what it is. **Overview of Class Expectations** https://www.azed.gov/cte/ar/ https://live-az-ade.pantheonsite.io/sites/default/files/2021/06/ProgramDescription_AutomationAndRobotics.pdf	Academic S https://www

Friday	Notes:	8/4/2023- 2nd Day of Class Objective: Students will be applying the Arizona State Standards, skills, and possibly consider some of the credentials/certifications Automation & Robotics Class. **https://www.azed.gov/cte/sd/** Lesson Overview: Automation & Robotics Define & apply what it is. **Certification/Credentials** **Arduino Certification** Arduino Certification is an online exam that provides official certification on your knowledge of Arduino related electronics, programming and physical computing. **https://www.arduino.cc/education/certification** *** **PCEP™ – Certified Entry-Level Python Programmer** (Exam PCEP-30-0x) 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. **https://pythoninstitute.org/pcep** **Overview of Class Expectations** https://www.azed.gov/cte/ar/ https://live-az-ade.pantheonsite.io/sites/default/files/2021/06/ProgramDescription_AutomationAndRobotics.pdf *Possible Quiz or PreTest/Assess what know about "Automation & Robotics"	Academic S https://www.