|  |  |  |
| --- | --- | --- |
| **Erie High School****Erie High School Logo** | **Welding Curriculum Map****CIP Code #48.0508** | **Industry Standards****OSHA****AWS** |
| **Level I** | **1st Quarter**Occupational Orientation and SafetyPrinciples of Welding Level 1Intro to Arc WeldingTools and Equipment 1SMAW Level 1 | **2nd Quarter**SMAW Level 2Tools and Equipment 2OFC Level 1 Principles of Welding Level 2 | **3rd Quarter**SMAW Level 3Tools and Equipment 3OFC Level 2 | **4th Quarter**Intro to GMAWPlate Fit Up and Design |
| **Level II** | **1st Quarter**GMAW Level 1Mechanized OFC Level 1Intro to Pipe SMAW | **2nd Quarter**GMAW Level 2Principles of Welding Level 1Mechanized OFC Level 2 | **3rd Quarter**Blueprint Level 1GMAW Level 3 | **4th Quarter**Intro to FCAWBlueprint Level 2 |
| **Level III** | **1st Quarter**FCAW Level 1Blueprint Level 3Intro to Pipe GMAWOSHA Training | **2nd Quarter**FCAW Level 2Principles of Welding Level 3CNC Plasma Design Level 1OSHA Training | **3rd Quarter**AWS D1.1 First CertificationCNC Plasma Design Level 2Intro to Visual InspectionFCAW Level 3OSHA Training | **4th Quarter**AWS D1.1 2nd CertificationMetallurgy Level 1OSHA 10-Hour General Industry (Manufacturing) Certification |
| **Level IV** | **1st Quarter**AWS D1.1 3rd CertificationGTAW Level 1Visual Exam and Inspection Level 1 | **2nd Quarter**GTAW Level 2Visual Exam and Inspection Level 2CAC NOCTI Prep  | **3rd Quarter**GTAW Level 3Metallurgy Level 2NOCTI Prep | **4th Quarter**Senior ProjectsSenior PortfoliosMock interviewsNOCTI Testing |