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| **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 Safety  Principles of Welding Level 1  Intro to Arc Welding  Tools and Equipment 1  SMAW Level 1 | **2nd Quarter**  SMAW Level 2  Tools and Equipment 2  OFC Level 1  Principles of Welding Level 2 | **3rd Quarter**  SMAW Level 3  Tools and Equipment 3  OFC Level 2 | **4th Quarter**  Intro to GMAW  Plate Fit Up and Design |
| **Level II** | **1st Quarter**  GMAW Level 1  Mechanized OFC Level 1  Intro to Pipe SMAW | **2nd Quarter**  GMAW Level 2  Principles of Welding Level 1  Mechanized OFC Level 2 | **3rd Quarter**  Blueprint Level 1  GMAW Level 3 | **4th Quarter**  Intro to FCAW  Blueprint Level 2 |
| **Level III** | **1st Quarter**  FCAW Level 1  Blueprint Level 3  Intro to Pipe GMAW  OSHA Training | **2nd Quarter**  FCAW Level 2  Principles of Welding Level 3  CNC Plasma Design Level 1  OSHA Training | **3rd Quarter**  AWS D1.1 First Certification  CNC Plasma Design Level 2  Intro to Visual Inspection  FCAW Level 3  OSHA Training | **4th Quarter**  AWS D1.1 2nd Certification  Metallurgy Level 1  OSHA 10-Hour General Industry (Manufacturing) Certification |
| **Level IV** | **1st Quarter**  AWS D1.1 3rd Certification  GTAW Level 1  Visual Exam and Inspection Level 1 | **2nd Quarter**  GTAW Level 2  Visual Exam and Inspection Level 2  CAC  NOCTI Prep | **3rd Quarter**  GTAW Level 3  Metallurgy Level 2  NOCTI Prep | **4th Quarter**  Senior Projects  Senior Portfolios  Mock interviews  NOCTI Testing |