Employment of welding, soldering, and brazing workers is expected to increase 13% in Texas by 2020.

Students pursuing the manufacturing pathway will acquire the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. Welders join metal parts using heat and/or pressure to form a permanent bond. Parts are welded to manufacture products, build structures, or to repair broken or cracked parts. Welders generally work from drawings or specifications that are already laid out.

CAREERS

**SALARIES**
- Welding Inspector, $63,000
- Pipe Fitter, $58,998
- Pipeliner, $55,000

**OPPORTUNITIES**
- Welding Engineer
- Underwater Welder
- Iron Worker

**QUALIFICATIONS**
- Associates Degree
- High School Diploma
- Certification
- Apprentice Program
## 2020-2021

### Welding Technology Endorsement

**PROGRAM CORRELATED TO THE STATE STUDY OF WELDING**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies</th>
<th>Pathway Electives</th>
<th>Potential Certification Opportunities</th>
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</thead>
<tbody>
<tr>
<td>9th</td>
<td>English 1</td>
<td>Algebra 1</td>
<td>Biology</td>
<td>World Geography Or World History</td>
<td>Principles of Agriculture, food and natural resources</td>
<td>OSHA</td>
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<tr>
<td>10th</td>
<td>English 2</td>
<td>Geometry</td>
<td>Approved 2nd Year Science</td>
<td>World Geography Or World History</td>
<td>Introduction to Welding</td>
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<tr>
<td>11th</td>
<td>English 3</td>
<td>Approved 3rd Year Math</td>
<td>Approved 3rd Year Science</td>
<td>U.S. History</td>
<td>Welding I (2)</td>
<td>NCCR Welding</td>
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<tr>
<td>12th</td>
<td>English 4 Or Approved 4th Year English</td>
<td>Approved 4th Year Math</td>
<td>Approved 4th Year Science</td>
<td>Government Economics</td>
<td>Welding II (2)</td>
<td>NCCR Welding</td>
</tr>
</tbody>
</table>

### REQUIRED ELECTIVES:

- * FINE ARTS
- * FOREIGN LANGUAGE
- * PHYSICAL EDUCATION

### DUAL CREDIT OFFERINGS:

- * PRE-CALCULUS * SPCH 1315
- * ARTS 1301 * ECON 2301
- * ENGL 1301 * ENGL 1302
- * ENGL 2332 * ENGL 2333
- * GOVT 2305 * HIST 1302
- * HIST 1301 * MATH 2413
- * MATH 1314 * MATH 1316

### STUDENT ORGANIZATIONS

It is the policy of Mineola Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in career and technology programs, services or activities.