Students pursuing specialized careers in the Agriculture, Food and Natural Resources Pathway will gain knowledge and experience in a strong FFA program offering students opportunities in animal science, ranch management, and water treatment.

*Employment in East Texas in Ranch & Animal Management is expected to increase by 7.00%.*

**CAREERS**

**SALARIES**
- Veterinarian, $88,364
- Agricultural Engineer, $72,738
- Farm & Ranch Manager, $57,718

**OPPORTUNITIES**
- Certified Vet Assistant
- Agricultural Technician
- Agricultural Equipment Operator
- Floral Designer

**QUALIFICATIONS**
- 4 Year Degree
- Advanced Degree
- On the Job Training
- High School Diploma
### 2020-2021
Ranch & Animal Mgt. Endorsement
PROGRAM CORRELATED TO THE STATE STUDY OF ANIMAL SCIENCE

<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>
</tr>
</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>Livestock Production</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>
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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>Veterinary Medical Applications or Advanced Animal Science</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>Practicum in Agriculture, Food &amp; Natural Resources (2)</td>
<td>Waste Water Treatment &amp; Freshwater Treatment Certification Certified Veterinarian Assistant Water Operator Certification Beef Quality Assurance Certification Floral Design Certification</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:**

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*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.*