Program of study for:
Engineering &
Technology Project
Lead the Way

Racine Unified School District
Case, Horlick and Park High Schools
Career Cluster: Science, Technology

This program of study plan should serve as a guide in the development of a secondary/post-secondary pathway. Courses listed within this plan are only recommended and are indicative of the courses needed to complete a pathway.

Find More Detailed Career Pathway & Post Secondary Information at:
www.racine.k12.wi.us/Teaching & Learning/Career & Technical Education

<table>
<thead>
<tr>
<th>EDUCATION LEVEL</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
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</thead>
<tbody>
<tr>
<td>SECONDARY</td>
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</table>

Career Interest Inventory Administered and Program of Study Initiated for all learners

<table>
<thead>
<tr>
<th>ENGLISH/LANGUAGE ARTS</th>
<th>ENGLISH/ELECTIVE</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES/SCIENCES</th>
<th>CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY</th>
<th>PLTW-Assessments &amp; Academic/Career Advisement Provided (ACT, SAT, etc.)</th>
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</thead>
<tbody>
<tr>
<td>Freshman English</td>
<td>Sophomore English</td>
<td>Geometry</td>
<td>Algebra 1</td>
<td>Biology</td>
<td>PLTW-Introduction to Engineering Design (ED) (AS) (3749)</td>
<td>Design for Industry (3748)</td>
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<tr>
<td>Algebra 1</td>
<td>Algebra 2</td>
<td></td>
<td>Lab Science or Biology (Acc)</td>
<td>Biology</td>
<td>PLTW-Principles of Engineering (POE) (AS) (3747)</td>
<td>Electronic Systems Capstone 3 &amp; 4 (AS) (3752)</td>
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<td>Machining/Fabrication Systems 1 &amp; 2 (3770)</td>
<td>Chemistry (AS) or AP Chemistry</td>
<td>PLTW-Digital Electronics (DE (AS) (3751)</td>
<td>DC/AC 1 (YO)</td>
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English Elective and/or Speech
- Statistics or PreCalculus
- Physics (AS) or AP Physics
- Economics Sociology

AP = Advanced Placement, D/TC = Dual/Transcripted Credit, YO = Youth Options, AS = Advanced Standing

Skills USA
- Work Based Learning Activities
- World Languages
- Electric/Electronic Systems 1 & 2 AS
- Machining/Fabricating Systems 1 & 2
- Power Systems 1 & 2
- Higher Expectations & Career Portfolio

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For More Information See www.racine.k12.wi.us/Teaching & Learning/Career & Technical Education
It is the policy of the Racine Unified School District, pursuant to s.118.13 Wis. Stats., and P19, that no person, on the basis of sex, race, color, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability may be denied admission to any school in this District or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, public services, recreational, or other program or activity.

This policy also prohibits discrimination under related Federal Statutes, including Title VI of the Civil Rights Act of 1964 (race and national origin), Title IX of the Education Amendments of 1972 (sex), and section 504 of the Rehabilitation Act of 1973 (handicap).

If any person believes the Racine Unified District or any part of the school organization has inadequately applied the principals and/or regulations of s.118.13 Wis. Stats./P19 and Title VI (race, national origin), and/or Title IX (sex), and/or Section 504 (handicap) or in some way discriminates against pupils on the basis of sex, race, religion, color, national origin, ancestry, creed, pregnancy, mental,emotional or learning disability or handicap, she/he may bring forward a complaint to the

District Equity Coordinator
Racine Unified School District
3109 Mt. Pleasant Street, Racine, WI 53404