

# TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

This Program of Study exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.

**Pathways:**

- Facility and Mobile Equipment Maintenance
- Health, Safety and Environmental Management
- Logistics Planning and Management Services
- Sales and Services
- Transportation Operations
- Transportation/Systems Infrastructure Planning Management, and Regulations
- Warehousing and Distribution Center Operations



## Suggested Learning Experiences

Middle School Electives		
Courses	Grade 7	Grade 8
<b>Additional Electives</b>	<ul style="list-style-type: none"> <li>• Band</li> <li>• Choir</li> <li>• Orchestra</li> <li>• Advanced Art 7</li> <li>• Exploring AgriScience</li> <li>• Exploring French &amp; Spanish</li> <li>• Online Language Exploration</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Art 8</li> <li>• Art 8</li> <li>• Online Language Exploration</li> <li>• Exploring French &amp; Spanish</li> <li>• French I</li> <li>• Spanish I</li> <li>• Band</li> <li>• Choir</li> <li>• Orchestra</li> <li>• Exploring AgriScience &amp; Gateway Innovation &amp; Robotics</li> </ul>

High School Electives				
Courses	Grade 9	Grade 10	Grade 11	Grade 12
<b>Additional Electives</b>	<ul style="list-style-type: none"> <li>• World Languages</li> <li>• AP Human Geography</li> </ul>	<ul style="list-style-type: none"> <li>• World Languages</li> </ul>	<ul style="list-style-type: none"> <li>• World Languages</li> <li>• AP Economics</li> </ul>	<ul style="list-style-type: none"> <li>• World Languages</li> </ul>
<b>Career &amp; Technical Education</b>	<ul style="list-style-type: none"> <li>• Electricity &amp; Electronics</li> <li>• Intro to Metal Tech</li> <li>• Intro to Engineering Design (PLTW)</li> </ul>	<ul style="list-style-type: none"> <li>• Small Engine and Repair</li> <li>• Prin of Engineering (PLTW)</li> <li>• Accounting Principles</li> </ul>	<ul style="list-style-type: none"> <li>• TC Business Core, TC Accounting I &amp; II</li> <li>• TC Metal Tech II</li> <li>• Auto ABC's, Adv. Automotives</li> <li>• Digital Electronics (PLTW)</li> </ul>	<ul style="list-style-type: none"> <li>• Trans Systems Capstone</li> <li>• See Work-Based Learning Options below</li> <li>• Civil Engineering and Architecture (PLTW)</li> </ul>

## High School Electives Cont.

Courses	Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b>	<ul style="list-style-type: none"> <li>• English I R/H Essentials</li> </ul>	<ul style="list-style-type: none"> <li>• English II R/H/Essentials</li> <li>• AP Lang/US History</li> <li>• Speech</li> </ul>	<ul style="list-style-type: none"> <li>• English III R/H/Essentials</li> <li>• AS Oral and Interpersonal Communication</li> <li>• AP Lang &amp; Comp</li> </ul>	<ul style="list-style-type: none"> <li>• AS Written Comm</li> <li>• TC English 101/102</li> <li>• AP Lit &amp; Comp</li> <li>• Contemporary Media &amp; Lit</li> <li>• English IV Essentials</li> </ul>
<b>Math</b>	<ul style="list-style-type: none"> <li>• Essentials I</li> <li>• Algebra I</li> <li>• Geometry</li> </ul>	<ul style="list-style-type: none"> <li>• Essentials II</li> <li>• Algebra II</li> </ul>	<ul style="list-style-type: none"> <li>• Adv. Math Applications</li> <li>• Pre-Calculus</li> <li>• AP Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• AS Technical Math</li> <li>• TC Math 105/110</li> <li>• AP Calculus</li> </ul>
<b>Science</b>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Agriscience</li> <li>• Earth &amp; Space Science</li> </ul>	<ul style="list-style-type: none"> <li>• AP Biology</li> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• AP Environmental Science</li> <li>• Physics</li> </ul>	<ul style="list-style-type: none"> <li>• AP Physics</li> <li>• AP Chemistry</li> </ul>
<b>Social Studies</b>	<ul style="list-style-type: none"> <li>• US History &amp; Amer. Gov. AP/R/Essentials</li> </ul>	<ul style="list-style-type: none"> <li>• American Republic R/Essentials</li> <li>• AP US History</li> <li>• AP Lang/US History</li> </ul>	<ul style="list-style-type: none"> <li>• World Studies R/Essentials</li> <li>• Criminal Justice &amp; Law</li> </ul>	<ul style="list-style-type: none"> <li>• Elective</li> </ul>
<b>Other Required</b>	<ul style="list-style-type: none"> <li>• Computer Applications</li> <li>• Healthy Choices</li> <li>• Physical Education</li> </ul>	<ul style="list-style-type: none"> <li>• Physical Education</li> <li>• Computer Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Consumer &amp; Personal Finance</li> <li>• Physical Education</li> </ul>	<ul style="list-style-type: none"> <li>• Consumer &amp; Personal Finance</li> <li>• Physical Education</li> </ul>
<b>Work-Based Learning Options</b>	Youth Apprenticeship			
<b>Other Activities</b>	FFA, National Honor Society, Pathway Partners, Skills USA, Youth Service Learning			

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## Career Types by Pathway

High School Diploma/ON-THE-JOB-TRAINING	Certificate/License	Associate's Degree	Bachelor's Degree	Master's/Doctoral Professional Degree
<b>FACILITY &amp; MOBILE EQUIPMENT MAINTENANCE</b>				
<ul style="list-style-type: none"> <li>Auto Body Repair</li> <li>Automotive and Diesel Technology</li> </ul>	<ul style="list-style-type: none"> <li>Auto Body Repair</li> <li>Auto Mechanics</li> <li>Aviation Airframe Maintenance</li> <li>Industrial Maintenance Electronics</li> </ul>	<ul style="list-style-type: none"> <li>Aeronautical and Aerospace Engineering Technology</li> <li>Automotive Technology</li> <li>Aviation Airframe Maintenance</li> <li>Electronic Technology</li> </ul>	<ul style="list-style-type: none"> <li>Engineering</li> <li>Industrial Engineering</li> <li>Mechanical Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Industrial and Management</li> <li>Systems Engineering</li> <li>Mechanical Engineering</li> </ul>
<b>HEALTH, SAFETY &amp; ENVIRONMENTAL MANAGEMENT</b>				
		<ul style="list-style-type: none"> <li>Environmental Engineering Technology</li> </ul>	<ul style="list-style-type: none"> <li>Engineering Physics</li> <li>Environmental Engineer</li> <li>Environmental Science</li> <li>Environmental Studies</li> <li>Industrial Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Environmental Engineering</li> <li>Environmental Science</li> <li>Environmental Studies</li> </ul>
<b>LOGISTICS PLANNING &amp; MANAGEMENT SERVICES</b>				
	<ul style="list-style-type: none"> <li>Business</li> </ul>	<ul style="list-style-type: none"> <li>Business Administration</li> <li>Industrial Technology</li> <li>Logistics and Materials Management</li> </ul>	<ul style="list-style-type: none"> <li>Business Administration</li> <li>Industrial Distribution</li> <li>Industrial Technology Management</li> <li>Technology Operations Management</li> <li>Logistics and Material Management</li> </ul>	<ul style="list-style-type: none"> <li>Engineering Management</li> <li>Industrial and Management</li> <li>Systems Engineering</li> <li>Operations Management</li> </ul>
<b>SALES AND SERVICE</b>				
<ul style="list-style-type: none"> <li>Cashier</li> <li>Customer Service</li> <li>Travel Agent</li> </ul>	<ul style="list-style-type: none"> <li>Desktop Publishing</li> <li>Entrepreneurship</li> <li>Parts, Sales and Management</li> <li>Travel Services</li> </ul>	<ul style="list-style-type: none"> <li>Business Marketing</li> <li>Marketing Management</li> <li>Parts, Sales and Management</li> </ul>	<ul style="list-style-type: none"> <li>Advertising</li> <li>Business</li> <li>Marketing</li> </ul>	<ul style="list-style-type: none"> <li>Advertising</li> <li>Business</li> <li>Marketing</li> </ul>
<b>TRANSPORTATION OPERATIONS</b>				
<ul style="list-style-type: none"> <li>Taxi Driving</li> <li>Locomotive Engineering</li> <li>Bus Driving</li> <li>Truck Driving</li> </ul>	<ul style="list-style-type: none"> <li>Air Traffic Control</li> <li>CDL Driver Training Class A, B</li> <li>Commercial Pilot and Flight Crew Training</li> <li>Vehicle and Equipment Operations</li> </ul>	<ul style="list-style-type: none"> <li>Air Traffic Control</li> <li>Commercial Pilot and Flight Crew Training</li> </ul>	<ul style="list-style-type: none"> <li>Air Traffic Control</li> </ul>	
<b>TRANSPORTATION SYSTEMS, INFRASTRUCTURE, PLANNING, MANAGEMENT &amp; REGULATION</b>				
		<ul style="list-style-type: none"> <li>Civil Engineering</li> <li>Surveying and CAD</li> </ul>	<ul style="list-style-type: none"> <li>Aviation Systems Management</li> <li>Civil Engineering</li> <li>Maritime Studies</li> <li>Naval Architecture and Marine Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Civil Engineering</li> <li>Engineering Management</li> <li>Naval Architecture and Marine Engineering</li> </ul>
<b>WAREHOUSING &amp; DISTRIBUTION CENTER OPERATIONS</b>				
<ul style="list-style-type: none"> <li>Shipping and Receiving</li> <li>Storage and Distribution</li> </ul>	<ul style="list-style-type: none"> <li>CDL Driver Training Class A, B</li> <li>Forklift Training</li> </ul>	<ul style="list-style-type: none"> <li>Business, Logistics and Materials Management</li> <li>Warehouse Management</li> </ul>	<ul style="list-style-type: none"> <li>Business, Logistics and Material Management</li> </ul>	<ul style="list-style-type: none"> <li>Logistics and Material Management</li> </ul>