



Career and Technical Education (CTE) Middle School Competencies

Career Cluster:

M47-Supply Chain & Transportation

May 2026



M47-Supply Chain & Transportation: Driving Efficiency and Streamlining Tomorrow's Transport

Cluster Definition: The Supply Chain & Transportation Career Cluster encompasses the transfer, coordination, and management of goods from production to consumption, ensuring efficient movement across various modes of transportation including air, ground, and water, as well as maintenance of the respective transport modes. This Cluster integrates logistics and distribution networks to facilitate the seamless flow of materials and products, playing a crucial role in global commerce, economic development, and community health.

Sub-Clusters:

- Air & Space Transportation
- Ground & Rail Transportation
- Maintenance & Repair
- Marine Transportation
- Planning & Logistics
- Purchasing & Warehousing

More details can be found at [Supply Chain and Transportation - Advance CTE](#)



Middle School Competencies

The MS Instructional Design form will be used to communicate the delivery model of the program, which will also be entered into the Career and Technical Education Information System (CTEIS).

Competency Code	M47 Supply Chain & Transportation Middle School Competency Statements
M1	Evaluate safe, responsible, and efficient practices for working with transportation systems, logistics processes, and the movement of goods.
M2	Explain how goods move through the supply chain by tracing the journey of a product (such as a sneaker) from raw materials to factory, warehouse, transportation, and store, and identifying where delays could occur.
M3	Analyze how planning, scheduling, and organization support the timely and accurate flow of goods and services. Organize a simple inventory-tracking system where items are labeled, stored, and tracked using a basic inventory sheet or digital tool.
M4	Apply problem-solving strategies to address challenges in transportation routing, inventory movement, or logistics planning.
M5	Differentiate between the sub-clusters in Supply Chain & Transportation by sorting careers into areas such as Air & Space Transportation, Ground & Rail Transportation, Marine Transportation, Planning & Logistics, and Purchasing & Warehousing.
M6	Explain the role of maintenance and repair in keeping transportation systems reliable by examining why regular inspections of buses, trains, or aircraft are essential to prevent breakdowns and ensure safe travel.
M7	Assess the impact of supply chain and transportation systems on communities, businesses, and the global economy.
M8	Explore careers in the Supply Chain & Transportation Career Cluster and connect the opportunities to personal interests, strengths, and future goals.

Advance CTE Career Ready Practices

Career Ready Practices, built on a meta-analysis of over 30 different listings of general professional skills developed by industry and educational institutions, represent the skills needed to succeed in the modern workplace. These practices should be embedded across the pre-kindergarten to workforce continuum. Refer to the [Advance CTE Career Ready Practices](#) document for more detailed information.

Competency Code	Career Ready Practices
CRP 01	Lead as a contributing and professional employee
CRP 02	Communicate clearly, effectively, and with reason
CRP 03	Think critically to make sense of problems and persevere in solving them
CRP 04	Collaborate productively while using cultural and global competencies
CRP 05	Use digital skills and technologies to enhance productivity and make data-informed decisions
CRP 06	Remain resilient in a changing workplace and world of work
CRP 07	Manage time and space effectively
CRP 08	Demonstrate a creative and innovative mindset
CRP 09	Act as a good steward of organizational and personal finances and resources
CRP 10	Navigate an education and career path aligned to strengths, work style, interests, and goals
CRP 11	Consider the environmental and social impacts of decisions
CRP 12	Apply appropriate academic and technical skills