

This document crosswalks the definition of global competence, as defined by the Asia Society (<http://asiasociety.org/files/book-globalcompetence.pdf>) to the Common Career Technical Core (CCTC), a state-led initiative to establish a set of rigorous, high-quality standards for Career Technical Education, managed by Advance CTE (<https://www.careertech.org/cctc>). The definition of global competence and the CCTC were developed separately by state education leaders as well as diverse groups of teachers, business and industry experts, administrators, and researchers.

* Please note, if the URL links do not work, copy and paste them into your browser.

Transportation, Distribution, & Logistics Career Cluster© (TD)						
Cluster Element	Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Describe the nature and scope of the Transportation, Distribution, & Logistics Career Cluster and the role of transportation, distribution, and logistics in society and the economy.	X		X		Explain the role of transportation and distribution on international trade. http://pdf.usaid.gov/pdf_docs/pnaeb036.pdf
2	Describe the application and use of new and emerging advanced techniques to provide solutions for transportation, distribution, and logistics problems.	X		X		Using the global transportation lesson plan, discuss how global positioning systems work. Follow this with a discussion on how GPS and GIS analyses can provide solutions for transportation and logistics problems. http://transportationcareers.org/searchable-lesson-plans/ ; http://tti.tamu.edu/group/transplanning/research-areas/gps-and-gis-analyses/
3	Describe the key operational activities required of successful transportation, distribution, and logistics facilities.			X		
4	Identify governmental policies and procedures for transportation, distribution, and logistics facilities.	X				Investigate the U.S. Department of Transportation's website for international policies. https://www.transportation.gov/policy/international-transportation-policy
5	Describe transportation, distribution, and logistics employee rights and responsibilities and employers' obligations concerning occupational safety and health.	X	X	X		Investigate the Transport Workers Union of America. Review some of the blogs for various transportation employees. Have students select two blog posts with an international perspective to share with the class. http://www.twu.org/Home.aspx
6	Describe career opportunities and means to achieve those opportunities in each of the Transportation, Distribution, & Logistics Career Pathways.	X		X		Utilize lesson plans for transportation careers. Consider the global implications of these lessons. http://transportationcareers.org/



Facility & Mobile Equipment Maintenance Career Pathway (TD-MTN)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Develop preventative maintenance plans and systems to keep facility and mobile equipment inventory in operation.	X		X		Analyze benefits and risks of purchasing parts from domestic versus foreign distributors – make a determination and build a persuasive case for your approach.	http://www.exportnorcal.com/wp-content/uploads/2014/11/Digital-Badge-International-Marketing.pdf
2	Design ways to improve facility and equipment system performance.						
Health, Safety, & Environmental Management Career Pathway (TD-HSE)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Describe the health, safety, and environmental rules and regulations in transportation, distribution, and logistics workplaces.	X				Track news events on a local or global issue related to workplace safety for a transportation workplace. Analyze different news networks and chart the similarities and differences in the reporting. Hypothesize influences on such perspectives. Long haul trucking in the U.S. versus Canada, for example.	
2	Develop solutions to improve performance of health, safety, and environmental management services.	X	X		X		
Logistics Planning & Management Services Career Pathway (TD-LOG)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Develop solutions to provide and manage logistics services for the company and customers.	X				In a project, consider the impact on access to goods and services with interruptions of unexpected events – weather and war, for example. Analyze the impact of the 2011 tsunami in Japan on the auto industry and its subsequent recovery.	
2	Analyze and improve performance of logistics systems to provide logistics planning and management services.						



Sales & Service Career Pathway (TD-SAL)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Analyze the ongoing performance of transportation, logistics, and distribution-related sales and service operations.	X				Students compare and contrast the strengths and weaknesses of a particular country's capacity in different areas of transportation - Germany's passenger and freight railway systems as compared to Canada's, etc.	
2	Demonstrate the use of sales and ongoing service of products and services that are transportation related to promote development of existing and future clients and customers.	X	X			Teams produce a sales plan for the U.S. and for another country and compare and contrast similarities and differences in their plans.	
Transportation Operations Career Pathway (TD-OPS)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Develop and evaluate transportation plans to move people and/or goods to meet customer requirements.	X	X	X		Compare and contrast the airline and rail industry news coverage for Thanksgiving in the U.S. to Chinese New Year in China.	
2	Analyze performance of transportation operations in order to improve quality and service levels and increase efficiency.	X		X			
3	Comply with policies, laws, and regulations in order to maintain safety, security and health and mitigate the economic and environmental risk of transportation operations.	X					
Transportation Systems / Infrastructure Planning, Management, & Regulation Career Pathway (TD-SYS)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Develop plans to maintain and/or improve the transportation infrastructure.	X	X		X	Compare and contrast freight and passenger systems in the U.S. and Europe – determine strengths, weaknesses, and tangible next steps for improvement to both systems.	
2	Assess, plan, and manage the implementation of transportation services.	X					



Warehousing & Distribution Center Operations Career Pathway (TD-WAR)							
Cluster Element		Investigate the World	Recognize Perspectives	Communicate Ideas	Take Action	International Application	Resources
1	Demonstrate efficient and effective warehouse and distribution center operations.	X		X		Apply to domestic and foreign distribution centers.	
2	Describe ways to improve the performance of warehouse and distribution operations.	X	X	X	X	Create a plan for improving performance of a warehouse that distributes products worldwide.	http://multichannelmerchant.com/opsandfulfillment/warehouse/10-ways-improve-warehouse-efficiency-reduce-costs-29072014/ ; http://www.camcode.com/asset-tags/how-to-improve-warehouse-productivity/ ; http://www.camcode.com/asset-tags/warehouse-operations-best-practices/
3	Analyze compliance with company policies and government laws and regulations in warehouse and distribution operations.	X	X			Differentiate policies among separate countries and work as a team to create a single compliance policy. Then create a plan to achieve buy-in from different facilities.	