

**4<sup>th</sup> Grade Career Development**  
**Activity #16: Transportation, Distribution, and Logistics**  
**Estimated time: 30-45 minutes**

**National Career Development Guidelines Indicators**

ED1 - Attain educational achievement and performance levels needed to reach your personal and career goals

- ED1.K7 - Recognize that your educational achievement and performance can lead to many workplace options
- ED1.K8 - Recognize that the ability to acquire and use information contributes to educational achievement and performance

ED2 - Participate in ongoing, lifelong learning experiences to enhance your ability to function effectively in a diverse and changing economy

- ED2.K3 - Recognize the importance of being an independent learner and taking responsibility for your learning

CM3 - Use accurate, current, and unbiased career information during career planning and management

- CM3.K2 - Recognize that career information includes occupational, education and training, employment, and economic information and that there is a range of career information resources available
- CM3.K4 - Identify several ways to classify occupations

CM4 - Master academic, occupational, and general employability skills in order to obtain, create, maintain, and/or advance your employment

- CM4.K4 - Recognize that many skills are transferable from one occupation to another

**Goal:**

Students will investigate careers in the **Transportation, Distribution, and Logistics** Career Cluster.

**Objectives:**

- Understand that a career cluster is a grouping of occupations based on commonalities
- Recognize that the **Transportation, Distribution, and Logistics** Career Cluster includes careers in the movement of people, materials, and goods by road, pipeline, air, rail and water
- Investigate careers in the **Transportation, Distribution, and Logistics** Career Cluster

**Materials:**

- 4<sup>th</sup> Grade Career Development –**Transportation, Distribution, and Logistics Careers: Planning a Road or Highway** handout #1
- 4<sup>th</sup> Grade Career Development –**Transportation, Distribution, and Logistics Careers: Planning a Road or Highway Part II** handout #2
- Drawing materials
- Writing materials

**Activity:**

1. “Today we’re going to learn about occupations in the **Transportation, Distribution, and Logistics** Career Cluster. Does everyone remember what a Career Cluster is? **A career cluster is a grouping of occupations based on things they have in common.** So, today we’re going to focus on the Transportation, Distribution, and Logistics Career Cluster.”
2. “The **Transportation, Distribution, and Logistics** Career Cluster includes careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water. That means the moving and warehousing of goods as they are being transferred from one place to another.” *Write this definition on the board.*
3. “There are three basic ways of moving things from one place to another. One way is by land. How can you move things over land?” *Write LAND on the board and allow students to answer: big trucks, vans, cars, trains, etc.* “What do trucks and cars need to move across? Right! Roads and highways. The people who plan roads and highways are called Transportation Planners.”

*Transportation Planners prepare studies for proposed transportation projects. They gather, compile, and analyze data. They study the use and operation of transportation systems. They develop transportation models or simulations.*

4. “After the Transportation Planner analyzes the transportation needs, a Civil Engineer designs the road. What are things that Transportation Planners need to think about when they’re planning a new road?” *Allow time for the students to discuss the question. Write their responses on the board. Possible answers: costs, population, traffic projections, environmental features, existing structures in the way, pedestrian traffic, busy junctions.*
5. “Good responses, everybody. Now that you have thought about what Transportation Planners do, let’s try it out.” **Distribute Transportation, Distribution, and Logistics Careers: Planning a Road or Highway** *handout #1 and Transportation, Distribution, and Logistics Careers: Planning a Road or Highway Part II* **handout #2.** *Distribute the drawing materials. Explain the directions, and ensure students understand. Allow time for students to complete the handouts. Walk around the room and offer help if needed. Possible answers for Part II: computer skills, CAD and map creation software, geography, math, law and government, reading, speaking, writing, critical thinking, analytical, good judgment, problem solving, time management, collaboration skills.*
6. *Once students have completed their assignment, have them share their handouts.*

**Evaluation:**

Students will be evaluated on their participation and on their handouts.

## Handout #1

### Transportation, Distribution, and Logistics Careers: Planning a Road or Highway 4<sup>th</sup> Grade Career Development: Activity #16

Directions: Use your imagination to plan a new highway or road for your town. Draw the road or highway and its location and surroundings below.

