Transportation
Logistics and transportation careers

In **this career video** (**grownextgen.org/career-videos/video/logistics-and-transportation/**), Rusty Orben, Resident Vice President for CSX Transportation, and Jim Wellman, President of Wellman Seeds and Wellman Farms, talk about the wide range of career opportunities related to logistics and transportation.

As you watch, answer the following questions:

1. What is Ohio's ranking for logistics and infrastructure?

2. What is Ohio's rank for soybean exports?

3. Name two of the countries that are customers of Mr. Wellman.

4. Where does CSX have rail lines?

5. Rail provides an efficient and direct route for soybeans to travel overseas.
   - ○ True
   - ○ False

6. Transport of crops overseas will sometimes involve more than one mode of transportation.
   - ○ True
   - ○ False

7. What percent growth is predicted for jobs in the rail industry?

8. List 3 of the degrees recommended at the end of the video that are related to this career video.

Once you have completed the video, choose one of the careers listed in the video to research. Find out the demand for that job, the education requirements, the location of those types of jobs, and other interesting facts about what a person with that job does on the job day-to-day. Present your information using video or a powerpoint.

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- train operator
- track maintenances
- engineer
- bridge engineers
- accountant
- lawyer
- farm supply
- agronomists
- truck drivers
- commodity buyer/shipper
- environmental engineer
- logistics coordinator
- warehouse manager
- shipping clerk
- supply chain procurement manager

Here is the rubric with which your instructor will score your assignment:

	4	3	2	1
Required elements for career presentation	The presentation includes all required elements as well as additional information.	All required elements are included on the presentation.	All but 1 of the required elements are included on the presentation.	Several required elements were missing.
Labels	All items of importance on the presentation are clearly labeled with labels that can be read from at least 3 ft. away.	Almost all items of importance on the presentation are clearly labeled with labels that can be read from at least 3 ft. away.	Many items of importance on the presentation are clearly labeled with labels that can be read from at least 3 ft. away.	Labels are too small to view *or* no important views were labeled.
Graphics: relevance	All graphics are related to the topic and make it easier to understand. All borrowed graphics have a source citation.	All graphics are related to the topic and most make it easier to understand.	All graphics relate to the topic. One or two borrowed graphics have a source citation.	Graphics do not relate to the topic *or* several borrowed graphics do not have a source citation.
Attractiveness	The presentation is exceptionally attractive in terms of design, layout, and neatness.	The presentation is attractive in terms of design, layout, and neatness.	The presentation is acceptably attractive though it may be a bit messy.	The presentation is distractingly messy or very poorly designed. It is not attractive.
Grammar	There are no grammatical/ mechanical mistakes on the presentation.	There are 1–2 grammatical/ mechanical mistakes on the presentation.	There are 3–4 grammatical/ mechanical mistakes on the presentation.	There are more than 4 grammatical/mechanical mistakes on the presentation.

Activity 4: Determine the trends in commodities movements

Use the report (pages 3.6) listed below to answer the questions about the modal shares of grain movement both domestically and internationally. The values that are used for this analysis span the years of 1978.2013.

Sparger, Adam, and Nick Marathon. Transportation of U.S. Grains: A Modal Share Analysis, June 2015.
*U.S. Dept. of Agriculture, Agricultural Marketing Service. Web. <***http://dx.doi.org/10.9752/TS049.06-2015***>*

1. Using Figure 2, What is the overall trend of grain movements for the years 1978–2013?

2. What does this trend indicate?

3. Using Figure 3, which commodity appears to be having the most steadily increasing increase in shipping?

The percentage change is calculated using the following equation:

$$\left(\frac{final\ value - initial\ value}{initial\ value}\right) x\ 100 = \%\ Change$$

4. What is the percentage change of the total of all grains in Table 1 between the years 1998 and 2013?