

Worksheet

Current Trends in Road Freight Transport

In today's class, there will be a small-scale fair at which you will present selected visionary means of transport to your fellow students/classmates as experts with an ensuing discussion. To make the trade fair a complete success, first collect information about **ONE** visionary transport means in your **small group** and then create an appealing presentation. When **collecting and presenting the information, consider the tasks for the assigned development on this worksheet.**

This is your task:

Development:	Self-driving (autonomous) truck / platooning
Tasks:	<p>Do the following tasks in your research and presentation:</p> <ol style="list-style-type: none"> 1. Explain how the concept of "self-driving truck / platooning" works. 2. List the strengths and weaknesses associated with this concept. 3. Describe the effects of platooning on freight transport.


Instructions:

Work on the following aspects **in your group**:

1. Collect information about the above tasks.
2. On the basis of this information, create a flipchart or a PowerPoint presentation (max. 4 slides) for the trade fair.

Duration: max. 40 minutes

Before you start, please note:



Information collection:
For each piece of information, please record the corresponding source (e.g. a URL link on the Internet) in a Word document, on the last slide of your PowerPoint presentation or in handwriting.

Use the following form:

Source: URL link (as link), **as of:** date of information request

e.g. for transport bicycles in the city of Vienna

Source: <https://www.fahrradwien.at/transportfahrrad/>, **as of** 07.07.2019

The source collection and the ppt presentation are to be handed in at the end of the lesson.

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This is your task:

Development:	Biofuels
Tasks:	<p>Do the following tasks in your research and presentation:</p> <ol style="list-style-type: none"> 1. What are Biofuels and what are the different types of liquid biofuels for transport? 2. List the strengths and weaknesses associated with it.


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This is your task:

Development:	Telematics
Tasks:	<p>Do the following tasks in your research and presentation:</p> <ol style="list-style-type: none"> 1. Explain the term telematics/road traffic telematics. 2. Give opportunities for road freight transport and potential application areas for telematics in road traffic 3. Give three examples for traffic telematics systems and describe them in brief.


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Duration: max. 40 minutes

Before you start group work, please note the following instructions:



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The source collection is collected next to the presentation at the end of the lesson.

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This is your task:

Development:	Cargo Sous Terrain
Tasks:	<p>Do the following tasks in your research and presentation:</p> <ol style="list-style-type: none"> 1. Present the project "Cargo Sous Terrain". 2. Explain the strengths and weaknesses of the concept. 3. Analyse the conditions under which this concept could also be implemented in Austria.


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This is your task:

Development:	Traffic Control System (German: Verkehrsbeeinflussungsanlage VBA)
Tasks:	Solve the following tasks in your research and presentation : <ol style="list-style-type: none"> 1. How do traffic control systems work? 2. "Why is speed limit 80 flashing up?" 3. Name advantages of traffic control systems in road traffic.


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