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| **Worksheet**  *Means of transport of the future ...* |

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:

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| **Development:** | **Self-driving (autonomous) truck / platooning** |
| **Tasks:** | Do the following tasks in your **research and presentation**:   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. |

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| **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:**

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|  | **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:](https://www.fahrradwien.at/transportfahrrad/)//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:

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| **Development:** | **Hyperloop** |
| **Tasks:** | Do the following tasks in your **research and presentation:**   1. **Explain** how the visionary means of transport “hyperloop” works. 2. **List** the **strengths and weaknesses** associated with it. 3. **Describe** the goods for which you think the hyperloop is most suitable and give reasons for your answer. |

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**Before you start, please note:**

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| --- | --- |
|  | **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:](https://www.fahrradwien.at/transportfahrrad/)//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:

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| **Development:** | **Drones** |
| **Tasks:** | Do the following tasks in your **research and presentation:**   1. **Explain** why a carrier should use drones for goods delivery. 2. **Give** any arguments that a transport company might mention **against** the use of drones. 3. **Describe** goods for which you think drones are most suitable and **justify** your answer. |

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| **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 group work, please note the following instructions:**

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This is your task:

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| **Development:** | **Cargo Sous Terrain** |
| **Tasks:** | Do the following tasks in your **research and presentation:**   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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**Before you start, please note:**

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This is your task:

|  |  |
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| **Development:** | **Cargo zeppelin (airship)** |
| **Tasks:** | Solve the following tasks in your **research and presentation:**   1. **Explain** the status quo in the development of cargo zeppelins as visionary means of transport. 2. **Give** examples of freight transports that could be very well realised in a cargo zeppelin. 3. Use examples to **show** how a cargo zeppelin could be integrated into an existing transport system. |

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| **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 |

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