# Careers Hub 2030: Y5 Transport/Technologies – Pre-Event

## Background

This lesson will give the children all the information they need to begin to understand the Transport/Technology Sector, especially in the Black Country, and the varied roles which exist and will exist in 2030 within the Transport/Technology Sector. They will then go on to explore the particular company(ies) with which they will be working and the roles within them. This lesson should last around 60 minutes.

The programme aims:

* For children to have a good understanding of the Transport/Technology Sector across the Black Country.
* Children will understand that the Transport/Technology sector is 1 of 8 sectors.
* Children will have a good understanding of the roles which exist within the Transport/Technology Sector.
* Children will understand the background of and roles within the chosen organisation/s.
* Children will have an understanding of the transferable skills needed within the Sector.

Activity 1: Listening – watch the video and discuss the Transport/Technology Sector using the knowledge web.

Activity 2: Problem-solving – LMI Dashboard – what does it all mean?

Activity 3: Leadership – leading own learning by discussing current skills on the skills builder and where skills are needing to be developed.

Activity 4: Staying positive – what actions can children positively take to improve their future selves?

**Next steps**

* Children can use the *Knowledge Web* to record information that they find useful relating to this sector. Give children the *Previously used Career Roadmap with the Skills Ladder (Skills Builder) printed on the back in A3* and help them to reflect on the previous event, the Retail and Visitor Economy Sector, and the skills required. Guide them to their next box and explain that they will be learning about the Transport/Technology sector. Have their original career options changed and why? Are they taking part in any other outside school activities, have their travel aspirations altered? If the children have changed their original ideas, they can edit their roadmap to reflect this.
* Explain to the children that they will be introduced to people who work within different roles in the Transport/Technology Sector and that this will be their opportunity to ask any questions they would like to, to understand what is involved within this area of work and what skills are key – are these skills that the children already feel confident in or areas that they may need to create an action plan for.
* Explain that the Transport Sector relates to transporting passengers or goods by air, road, rail and water. It includes people who help to plan in this journey as well as a Crew Member, Driver, Pilot or Captain. Discuss some of the role titles: Airline Pilot, Air-Traffic Controller, Transport Planner, Ship’s Captain, Train Driver, Truck Driver, Logistics Manager, Cabin Crew etc. Do any of these roles interest the children? Have they heard of these? Why are these roles important in the world? Why is the use of transport important in the world?
* Explain that the Technology Sector is crucial in today’s business world. Information Technology (IT) and Computing are key, there are a range of careers in this sector that are increasing all of the time. Some of the job titles include: Software Engineer, Systems Analyst, Database Administrator, Network Engineer, IT Support Executive, Web Designer, Games Developer, Cyber-Security Analyst. Explain to the children that within most sectors, there are employees who specialise in technology, their role within that company or organisation will be to make sure that data is stored correctly, be able to unpick technological problems and give people advice in creating and managing a website to make as much money as possible. Do children believe that there were as many jobs in the Technology Sector ten years ago as there are now? Do we all benefit from this Sector?
* Introduce the *Organisation Structure (DPD)* and discuss the different roles that make up the organisation. What roles are specific to the Transport/Technology Sector and what roles appear in all businesses? Would there be an Admin Officer role in other jobs? A Business Operations Manager? It’s important for the children to understand that some roles will appear in all companies. What roles would only appear in this business?

## Group Task

Pupils to work in pairs and use the *Knowledge Web*.

Activity 1: Children are to watch the *Transport Video* to introduce them to the sector and spark discussion.

Activity 2: Children look at and discuss the *LMI Dashboard* (the local area LMI can be used alongside the Black Country Overview as a comparison) and begin to gain an understanding of the presence and importance of the Transport/Technology Sector in the local area, and the future directions. Talk through the different elements on the LMI with the children so that they can understand what each section is responsible for explaining. Some questions to help the children better understand could include:

1. Which area in the Black Country has the most amount of jobs in this sector?
2. What is the average salary?
3. What do you notice about the Transport Sector in comparison to the Technology Sector and other sectors?
4. What are Global Industry Trends in your local area?
5. What job within the Technology/Transport Sector has the highest amount of vacancies?
6. What should be considered at school?

Do the children think that the Transport/Technology Sector is important in their local area? This should last around 20 minutes.

Activity 3: Pupils to be given the *Skills Action Plan* and to work through the first four boxes. The completed version can be used to support the children. Every question should form a discussion point so that the children are supported in creating their answers. This should last around 20 minutes.

Activity 4: Children are to write three questions on the *Knowledge Web* that they would like to ask people who work in the Transport/Technology Sector. These questions could include:

1. What skills are necessary?
2. Do you rely on technology?
3. Do you earn enough money to have a nice lifestyle?
4. What is your work/life balance like?
5. What changes have you noticed within the past ten years in your sector?
6. Do you believe that your job will available in ten years?

This should last around 10 minutes.

This sheet can then be used for the ‘live event’ as question prompts when discussing with visitors. The teaching points sheet can be used to make notes on key points that can be discussed after the live event has taken place.

## Resources Needed

Previously used Career Roadmap with the Skills Ladder (Skills Builder) printed on the back in A3 – one each

LMI Dashboard – this is the Labour Market Index for local information regarding businesses with the Transport/Technology Sector. This is split into the different areas within the Black Country: Walsall, Sandwell, Wolverhampton and Dudley – one between two.

Organisation Structure (DPD) – one between two

Knowledge Web – one each

Skills Action Plan – used the completed version for guidance – one each.

Transport/Technology Sector video

If you have access to the Skills Builder <https://www.skillsbuilder.org/>, it is useful to assess the children on their essential skills throughout the Careers Hub lessons to track their progress and use the mini tasks to help the children work towards their goals.

## Key Questions

What skills are necessary for the Transport/Technology Sector? Use the *Skills Ladder (Skills Builder) Named* to help discuss particular skills. Ask children what skill they think would be the most important and why.

What technologies do you think people rely on within the Transport/Technology Sector? It is useful to discuss the use of electric cars, was this technology used ten years ago? Why are the Government keen to invest in new technologies in transport? Can this help them to save money? Is it helping to protect the environment? How has technology such as Google, Amazon Echo supported our lives?

Do you think that the roles within the Transport could be replaced with robots, why?

Looking forward to 2030, are there any jobs that may not be available anymore – why?