

College Taster Pack
Motor Vehicle



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Welcome

Welcome to the Faculty of Technology and the Motor Vehicle Curriculum.

This is such an exciting time to be studying motor vehicle – our courses here at College are full of different activities and experiences including chassis and suspensions, brakes and exhausts, engine components and many more.

This activity taster pack aims to support your transition to College and give you a sneak peak into the sorts of things you will be learning and discovering when you join us.

As a key part of your course we ask all learners to find a one-week work placement during the year – now is a great time to start thinking about where you might want to undertake your placement and putting some feelers out to make some key contacts.



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Pre-Enrolment Activities:



Challenge 1:

Can you name 3 emerging technologies within the Motor Vehicle sector and expand on how and why these will be integral within the next 5 years?

| Emerging Technologies: | How and Why Integral: |
|------------------------|-----------------------|
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Challenge 2: CAREERS IN TRANSPORTATION, MAINTENANCE AND REPAIR

| 2. | Name the type of transport shown in the images and the industries that use it. | | |
|----|--|--------------------|---------------------------------|
| | Image: | Name of Transport: | Industries that use it and why: |
| | <p>A</p>  | | |
| | <p>B</p>  | | |
| | <p>C</p>  | | |
| | <p>D</p>  | | |



| Image: | Name of Transport: | Industries that use it and why: |
|---|--------------------|---------------------------------|
| <p style="text-align: center;">E</p>  | | |
| <p style="text-align: center;">F</p>  | | |

2

Complete the chart by naming two job roles for each of the career paths within the transportation industry. Some examples are included.

| Career Path/Routes | Job Roles |
|---------------------|--|
| Accident Repair | <ol style="list-style-type: none"> 1. Paint sprayer/refinisher 2. |
| Heavy Vehicle | <ol style="list-style-type: none"> 1. Vehicle body builder/Fabricator 2. |
| Vehicle Restoration | <ol style="list-style-type: none"> 1. 2. |
| Construction Plant | <ol style="list-style-type: none"> 1. 2. |
| Vehicle Sales | <ol style="list-style-type: none"> 1. Sell Motorcycles 2. |
| Vehicle Parts | <ol style="list-style-type: none"> 1. 2. |
| Light Vehicle | <ol style="list-style-type: none"> 1. Mechanical Technician 2. |



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Challenge 3:

Take this online quiz about vehicle manufacturers throughout history – how much do you really know?

<https://grizly.com/quizzes/car-manufacturer-quiz>

Challenge 4:

Watch the film 'Ford vs Ferrari'. Based on the remarkable true story of the visionary American car designer Carroll Shelby (Damon) and the fearless British-born driver Ken Miles (Bale), who together battled corporate interference, the laws of physics, and their own personal demons to build a revolutionary race car for Ford Motor Company and take on the dominating race cars of Enzo Ferrari at the 24 Hours of Le Mans in France in 1966.

Watch the trailer here:

<https://www.youtube.com/watch?v=zyYgDtY2AMY>

I would like you to consider the following:

- How do the laws of physics that Carroll and Ken struggled with in the film relate to the motor industry today?
- How easy is it to set up a business and develop a new car in today's climate?

Challenge 5:

- Identify 3 potential Work Experience Placements as part of your course.

| Names: | Contact: |
|--------|----------|
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| | |

(Please note, you will not be required to contact them at this time)



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