

# ARE YOU

# COLLEGE READY?

## What is Motor Vehicle?

With over 38.7 million vehicles on the roads, the UK automotive industry is a vital part of the UK economy worth more than £82 billion in turnover and adding £18.6 billion in value to the UK economy, there are in excess of 823,000 people employed across the wider automotive industry. For all these vehicles to carry on working effectively, taking goods and people to their destinations, we need people to maintain and repair them. This vital role is carried out by Motor Vehicle Technicians, Fast-Fit Technicians, Service Technicians, Diagnostic Technicians and Master Technicians each trained and skilled in their own specialisms and areas of expertise such as servicing, auto electrics, diagnostics and fault-finding as well as hybrid and electric vehicle technology.



## Research to help you with your course



Have a look at the following videos for a taste of the kind of systems and technology you will learn about on the motor vehicle courses.



HOW DOES CAR ENGINE  
OIL WORK? **CASTROL**



CLUTCH, HOW DOES IT WORK?  
**LEARN ENGINEERING**



HOW CAR BRAKES WORK  
**BENDIX BRAKES**

Use these websites to help you with the tasks below and develop your understanding of the sector:

[www.autocity.org.uk](http://www.autocity.org.uk)

[www.goultralow.com](http://www.goultralow.com)

[www.autocity.camart.co.uk/world-of-work](http://www.autocity.camart.co.uk/world-of-work)

## College Ready Tasks



### TASK 1

Research a range of job roles within this field such as Diagnostic Technician, Roadside Assistance and Motorsport Technician.



### TASK 2

Find out about Greater Manchester's approach to tackling issues associated with vehicles, such as congestion and climate change. Compare this to the approach of other cities, nationally and internationally.



### TASK 3

Explain the advantages of moving to low carbon vehicles.

Good luck with your tasks, enjoy your Summer and I look forward to welcoming you to Trafford College in September. If you have any questions please contact me on [david.spedding@tcg.ac.uk](mailto:david.spedding@tcg.ac.uk).

**David Spedding, Head of Studies, Motor Vehicle**