

# Careers Education



Aspire | Challenge | Achieve



# Our Job of the week this week is **Mechanic**



# Job of the Week - Mechanic

# WHAT YOU DO

#### Your day-to-day tasks could include:

- · talk to customers about their vehicle's problems
- · find and diagnose faults using hand tools or a computer
- advise customers on what repairs are needed
- estimate time and costs for jobs
- repair and replace faulty parts
- · road test vehicles to check repairs
- · carry out scheduled servicing and maintenance
- fit accessories like stereos and alarms
- check stock levels and parts
- update vehicle service records

# **SKILLS REQUIRED**

#### You will need:

- · the ability to use, repair and maintain machines and tools
- to be thorough and pay attention to detail
- problem-solving skills
- · the ability to work well with your hands
- customer service skills
- · the ability to work well with others
- knowledge of engineering science and technology
- the ability to use your initiative
- · to be competent using computers and the software packages

## WHAT YOU WEAR

In some instances you will be provided with a uniform such as polo shirt and fleece/ jacket. You will require PPE such as safety boots which may or may not be provided.



## **WORKING CONDITIONS**

You could work at a garage. Your working environment may be noisy, dirty and physically active.

You may need to wear safety clothing and use safety equipment.

# **WORKING HOURS**

38-44

Including evenings/ weekends Flexible hours

# **ANNUAL LEAVE**

Usually the standard 27 days plus bank holidays unless self-employed



## ANNUAL INCOME

£18,000-£35,000



# **EDUCATION & EXPERIENCE**

#### College

You could take a college course before applying for work as a trainee with a garage.

Relevant courses and entry requirements include:

Level 1 Diploma in Light Vehicle Maintenance and Repair Competence—2 or more GCSEs at grades 2 or above or equivalent, including Maths or English

Level 2 Diploma in Vehicle Technology— 3 or more GCSEs at grades at 3 or above or equivalent, including Maths. English and Science

Level 3 Diploma in Vehicle Technology— 4 or 5 GCSEs at grades 9 to 4 (A\* to C), or equivalent, including Maths, English and Science

T Level in Maintenance, Installation and Repair for Engineering and Manufacturing — 4 or 5 GCSEs at grades 9 to 4 (A\* to C), or equivalent, including English and maths

#### Apprenticeship

You can complete an intermediate or advanced apprenticeship as a motor vehicle service and maintenance technician.

This will usually take 2 to 3 years. You'll do on-the-job training and spend time at a college or training provider.

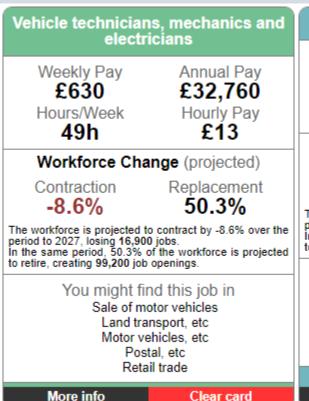
You could also train as a vehicle mechanic in the British Army.

You'll usually need some GCSEs, including English & maths, or equivalent, for an intermediate apprenticeship; 5 GCSEs at grades 9 to 4 (A\* to C), or equivalent, including English and maths, for an advanced apprenticeship

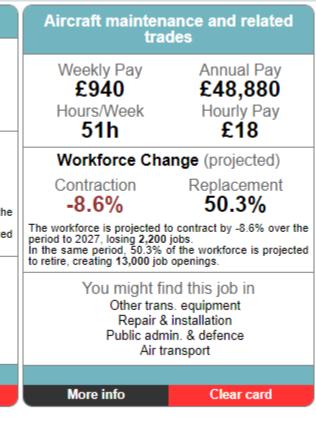
# **Labour Market Information**

In the Careers section of the school website you can find the useful comparison tool the 'Labour Market Information widget'

Use the widget to compare different job roles in any employment sector or relating specifically to the 'Job of the Week'.



### Mechanical engineers Weekly Pay Annual Pay £860 £44,720 Hours/Week Hourly Pay 38h £23 Workforce Change (projected) Growth Replacement 5.1% 39.9% The workforce is projected to grow by 5.1% over the period to 2027, creating 4,600 jobs. In the same period, 39.9% of the workforce is projected to retire, creating 36,000 job openings. You might find this job in Other trans. equipment Architectural & related Repair & installation Construction Head offices, etc. More info Clear card



# Vehicle technicians, mechanics and electricians

Vehicle technicians, mechanics and electricians accept calls for help and repair and service the mechanical parts and electrical/electronic circuitry and components of cars, lorries, buses, motorcycles and other motor vehicles, and repair and service auto air-conditioning systems.

#### Common tasks in this job:

- visually checks, test drives or uses test equipment to diagnose engine and mechanical faults:
- removes, dismantles, repairs and replaces defective parts and prepares new parts using appropriate tools;
- reassembles, tests, adjusts and tunes the appropriate parts, systems or entire engine;
- carries out routine maintenance checks on oil and air filters, brakes and other vehicle parts/systems;

## Mechanical engineers

Mechanical engineers undertake research and design, direct the manufacture and manage the operation and maintenance of engines, machines, aircraft, vehicle and ships' structures, building services and other mechanical items.

#### Common tasks in this job:

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- undertakes research and advises on energy use, materials handling, thermodynamic processes, fluid mechanics, vehicles and environmental controls;
- determines materials, equipment, piping, capacities, layout of plant or system and specification for manufacture;
- designs mechanical equipment, such as steam, internal combustion and other nonelectrical motors for railway locomotives, road vehicles, aeroplanes and other machinery;
- ensures that equipment, operation and maintenance comply with design specifications and safety standards;

# Aircraft maintenance and related trades

Jobholders in this unit group fit, service, repair and overhaul aircraft engines and assemblies. Licensed aircraft engineers are coded to UNIT GROUP 3113.

#### Common tasks in this job:

- examines drawings, manuals and specifications to determine appropriate methods and sequence of operations;
- fits and assembles parts and/or metal subassemblies to fine tolerances to make aircraft engines;
- replaces engine components or complete engines, installs and tests electrical and electronic components and systems in aircraft;
- examines and inspects airframes and aircraft components, including landing gear, hydraulic systems, and deicers to detect wear, cracks, breaks, leaks, or other problems;

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To compare the Labour Market Information of different job roles that you might be interested in please visit the Careers section on the school website.

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# Discover more about Mechanics with these videos:

How to become a Mechanic



https://www.youtube.com/watch?v=eG1m0SVTb7I

A Day in the Life of a Vehicle Technician Apprentice with BT



https://www.youtube.com/watch?v=pc7NxZiFIro

Stamford College Motor Vehicle Centre



https://www.youtube.com/watch?v=-H6a0u3UCIY

BMW Group Apprenticeship opportunities



https://www.youtube.com/watch?v=HI59NcYkqGc

Vehicle Mechanic in the British Army



https://www.youtube.com/watch?v=p5W9w4r1V6o

Mechanic or Technician?



https://www.youtube.com/watch?v=0ID9TG6RLRc



# Click on the website links to research the job role further:

Motor mechanic | Explore careers | National Careers Service

<u>Vehicle Mechanic - British Army Jobs (mod.uk)</u>

Mechanic - Youth Employment UK

The career path of a heavy vehicle mechanic (mneglobal.com)

Estates technician | Health Careers

<u>How to get a job in Formula 1 – Engineer, mechanic, hospitality & more (autosport.com)</u>