

## PUPIL PROFILE

*I have always been interested in motor mechanics and enjoy working on cars, particularly the engines.*

*On the course I have learned how engines work, the valve and ignition timing and I have restored a 1951 Lister 'D' engine to working order. I have also extended my welding skills using MIG and MMA in proper welding booths.*

*The tyre changing machine and wheel balancer is the same as the one I used on my work experience placement, they were impressed that I already new how to use them.*

*The course is a good way to learn the basic steps in working as a mechanic. The work is mainly practical and having a whole day is great!*

*Tom Perks, year 11 student*



**edexcel**  
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[www.southcotswoldpartnership.org.uk](http://www.southcotswoldpartnership.org.uk)

*Cirencester Deer Park School • Cirencester Kingshill School  
Cirencester College • Sir William Romney's School • Farmor's School  
Royal Agricultural College*

Higher Level 2

BTEC Level 2  
First Certificate  
and First Diploma  
in Vehicle  
Technology

  
**The South Cotswold  
Partnership**

## Motor Vehicle Technology

This course is offered through the South Cotswold Partnership and will be partly taught at Cirencester Deer Park School and the RAC.

### Why Motor Vehicle Technology?

This programme is open to pupils who are interested in gaining a wide experience in motor vehicle technology. This course is in its second year and has been developed with the awarding body Edexcel, which recognises that there is a need for people in industry with technical and practical skills. A good level of numeracy, literacy and I.T. skills are needed.

During the course you will follow the Level 2 Diploma in Motor Vehicle Technology. The course will be based at the Rural Skills Centre at Coates as well as some classroom based work.

You will be accredited with individual unit certificates and an overall Certificate or Diploma if all units are completed.

### First Certificate

This is completed in year 10: there are 2 core units which together with optional units, totalling 180 guided learning hours.

Successful students will achieve Pass, Merit, Distinction; these are equivalent to 2 GCSE passes A\* - C.

### First Diploma

Students may then go on, in Year 11, to study further units to give a total of 360 guided learning hours and gain a Diploma.

Successful students will achieve Pass, Merit, Distinction; these are equivalent to 4 GCSE passes A\* - C.

# Motor Vehicle Technology

The units for year 10 are as follows:

Unit	Core Units	GLH
5	Vehicle Engine system Principles	30
6	Vehicle Layout and Operation of Vehicle Systems	30
<b>Specialist Units</b>		
3	Engineering Skills for Vehicle Repair	30
11	Vehicle Wheels Tyres, Steering and Suspension systems – Principles and Maintenance	60
12	Vehicle Fitting Operations – Brake Systems	30

The units for year 11 are as follows:

Unit	Core Units	GLH
1	Essential Working Practices in Vehicle Technology	60
2	Vehicle Electrical and Electronic Principles	30
<b>Specialist Units</b>		
9	Routine Vehicle Maintenance	60
16	Vehicle welding and Assembly Operations	30

## How will I learn?

You will be based at the Rural skills Centre where you will spend the majority of your time.

You will gain hands on practical experience restoring stationary engines, to gain knowledge of four stroke engine principles, you will



also work on vehicles and vehicle systems. The unit on Welding and Assembly will include MIG, MMA, Oxy-Acetylene welding and cutting.

The course is a highly practical one that will challenge your ability to work as part of a team in a very different environment. The aim is to work to industry standard using appropriate tools and data.

You will put together a portfolio of evidence in the form of reports, job cards, presentations, photographs and drawings. This is a good practice to enable you to progress to a higher level of study or apprenticeship.

## How will I be assessed?

You will be assessed throughout the course as you complete each unit. This will mean completing all the practical components successfully as well as taking a short end of unit test. You will also need to make sure your evidence portfolio is up to date.

## What about work experience?

Depending on how you progress, it may be possible for you to spend one day a week on a work experience placement to gain wider experience and reinforce the skills gained.

## What will I be able to do with my Certificate?

You will gain a First Certificate equivalent to 2 GCSE passes A\* - C or a First Diploma equivalent to 4 GCSE passes A\* - C.

The qualification is nationally recognised and valued by employers and colleges. You will be able to attend a FE College such as Swindon or Gloucestershire College, or look for employment.

Whatever route you take you will be able to study at a higher level. You may also consider looking for an Apprenticeship with an employer.

The skills you will learn will benefit you in a wide range of career areas such as • Electrician • Plumber • Agriculture to name but a few.

Contact: Mr C Germaine – 14 – 19 Partnership Coordinator  
Mr F Perkins – Course Tutor