

Learning Journey

Motor Vehicle Studies



Delivered by
Centurion Training Solutions



Delivering the automotive experience

Golden Concepts

- Health and Safety
- Component identification
- Good Housekeeping
- Practical skills
- Safe working
- Work Related Learning

Summer Term

Term 5



Practical tasks and theory booklets working towards the interior and cleaning module.
Remove inertia trim
Internal and external valet
Identifying the risks when using workshop equipment relating to this module

Term 6



Practical tasks and theory booklets working towards the final assessments
Component identification
Individual task completion
The pathway forward
Questions and answers



Term 4

Practical tasks and theory booklets working towards the transmission module.
Understand FWD, RWD and AWD
Clutch system
How gears work
Drive shafts and prop shafts
Wheel bearings
Identifying the risks when using workshop equipment relating to this module



Term 3

Practical tasks and theory booklets working towards the Electrics module
Understanding volts, amps, watts and ohms
Measuring potential difference, current and resistance
Starting system
Charging system
Washers and wipers
Identifying the risks when using workshop equipment relating to this module

Spring Term

Term 1



Practical tasks and theory booklets working towards the Engine principle module.
Engine strip down
Engine rebuild
Component identification
Identifying the risks when using workshop equipment relating to this module

Term 2



Practical tasks and theory booklets working towards the Fuel, air and ECU module.
Identifying actuators and sensors
Understanding difference in fuels
ECU inputs and outputs
Identifying the risks when using workshop equipment relating to this module

Autumn Term

Cycle B



Term 6

Practical tasks and theory booklets working towards the Tools and materials & service modules.
Service assessment
Identifying the risks when using workshop equipment relating to this module



Term 5

Practical tasks and theory booklets working towards the Tools and materials & service modules.
Lights
Bulbs
Battery
Exhaust
Interior checks
Identifying the risks when using workshop equipment relating to this module

Summer Term

Term 3



Practical tasks and theory booklets working towards the Health and safety & suspension modules.
Front suspension
Rear suspension
Steering components
Understanding dive, squat, roll, pitch
Identifying understeer and oversteer
Measuring caster, Camber and toe
Identifying the risks when using workshop equipment relating to this module

Term 4



Practical tasks and theory booklets working towards the Tools and materials & service modules.
Oil and filter
Cooling
Spark plugs
Filters
Fluids
Safety checks
Identifying the risks when using workshop equipment relating to this module

Spring Term

Term 2



Practical tasks and theory booklets working towards the Health and safety & braking modules.
Front brakes and Rear brakes
Hand brakes
Brake bleed
Master cylinder, servo and ABS
Identifying the risks when using workshop equipment relating to this module



Term 1

Practical tasks and theory booklets working towards the Health and safety & wheels and tyres modules.
Lifting and securing a vehicle
Removing wheels and tyres
Understanding tyre markings and data
Wheel balancing and wheel alignment
Identifying the risks when using workshop equipment relating to this module

Cycle A