

Long Term Plan Year 9 Motor Vehicle Engineering

Half term	Unit title	Key knowledge/ Content to learn and retain	Essential skills to acquire (subject & generic)	Link to subject ethos and driver (rename)	Anticipated misconceptions	Links to previous KS	Links to future KS	Opportunity for stretch for high prior attainers	SMSC & British Values	Cultural Capital	Career Link
HT1	Health & Safety	Legislation Regulations HASAWA (1974) Manual Handling Risk assessment Consumables Fire extinguishers and fire classifications Ergonomics Good housekeeping	Measuring angles Reading data Checking manufacturers settings Reading tracking gauges Calculating capacities Communication Inflation pressures Tread depth Good housekeeping Safe use of tools	Real Life, Real Skills Driving into the Future	Understanding of abbreviations & H&S legislation	Health & Safety Tools, Equipment & Materials	Unit ref: GA102 GA3 GA4 LVM04	Understanding of the HSE at middle management and senior level	*interest in investigating, and offering reasoned views about, moral and ethical issues	*implications on working patterns and safety in the workplace	https://wow.autocity.camart.co.uk/world-of-work
HT2	Tools, Equipment & Materials	Hand tools Measuring devices Lifting equipment	Measuring angles Reading data Reading manufacturers	Real Life, Real Skills Driving	The differences between hand tools & specialist	Health & Safety Tools, Equipment	Unit ref: GA102 GA3 GA4 LVM04	Measuring vehicle ride height	*willingness to participate in a variety of social settings, cooperating	*awareness of the correct use and fittings of	https://wow.autocity.camart.co.uk/world-of-work

		Fastening & fixings Properties of materials Good housekeeping Storing of tools tap threads, file, cut and drill plastics and metals when modifying or repairing vehicles	settings Measuring ride height	into the Future	tools	& Materials			well with others and being able to resolve conflicts effectively	fastenings and repair	
HT3	Health & Safety	Legislation Regulations HASAWA (1974) Manual Handling Risk assessment Consumables Fire extinguishers and fire classifications Ergonomics Good housekeeping	Measuring angles Reading data Checking manufacturers settings Reading tracking gauges Calculating capacities Communication Inflation pressures Tread depth Good housekeeping Safe use of tools	Real Life, Real Skills Driving into the Future	Understanding of abbreviations & H&S legislation	Health & Safety Tools, Equipment & Materials	Unit ref: GA102 GA3 GA4 LVM04	Understanding of the HSE at middle management and senior level	*interest in investigating, and offering reasoned views about, moral and ethical issues	*implications on working patterns and safety in the workplace	https://wow.autocity.camart.co.uk/world-of-work
HT4	Tools, Equipment & Materials	Hand tools Measuring devices Lifting equipment Fastening & fixings Properties of	Measuring angles Reading data Reading manufacturers settings Measuring ride height	Real Life, Real Skills Driving into the Future	The differences between hand tools & specialist tools	Health & Safety Tools, Equipment & Materials	Unit ref: GA102 GA3 GA4 LVM04	Measuring vehicle ride height	*willingness to participate in a variety of social settings, cooperating well with others and being able to	*awareness of the correct use and fittings of fastenings and repair	https://wow.autocity.camart.co.uk/world-of-work

		materials Good housekeeping Storing of tools tap threads, file, cut and drill plastics and metals when modifying or repairing vehicles							resolve conflicts effectively		
HT5	Health & Safety	Legislation Regulations HASAWA (1974) Manual Handling Risk assessment Consumables Fire extinguishers and fire classifications Ergonomics Good housekeeping	Measuring angles Reading data Checking manufacturers settings Reading tracking gauges Calculating capacities Communication Inflation pressures Tread depth Good housekeeping Safe use of tools	Real Life, Real Skills Driving into the Future	Understandin g of abbreviations & H&S legislation	Health & Safety Tools, Equipment & Materials	Unit ref: GA102 GA3 GA4 LVM04	Understandin g of the HSE at middle management and senior level	*interest in investigating, and offering reasoned views about, moral and ethical issues	*implicatio ns on working patterns and safety in the workplace	https://wow.autocity.camart.co.uk/world-of-work
HT6	Tools, Equipment & Materials	Hand tools Measuring devices Lifting equipment Fastening & fixings Properties of materials Good housekeeping	Measuring angles Reading data Reading manufacturers settings Measuring ride height	Real Life, Real Skills Driving into the Future		Health & Safety Tools, Equipment & Materials	Unit ref: GA102 GA3 GA4 LVM04	Measuring vehicle ride height	*willingness to participate in a variety of social settings, cooperating well with others and being able to resolve conflicts effectively	*awarenes s of the correct use and fittings of fastenings and repair	https://wow.autocity.camart.co.uk/world-of-work

