






Motor Vehicle Design & Technology – Knowledge Organiser

Key Words and Definitions					
Substance	A mixture of chemicals	Ventilation	Making sure that gases can escape and clean air replaces them	SWL - Safe working load	The maximum load which a lifting device can lift or lower
Chemical	A single fluid, gas or solid in its natural state	Immobilise	To stop a vehicle from moving or operating	Shock load	A load forced suddenly on the lifting equipment
Mentor	Someone who you can look up to and learn from	Hazardous	Involving risk or danger	Evacuate	Leave in a safe manner
Mandatory	Must be followed	Flammable	Can be set alight easily and burn quickly	Fire triangle	Made of fuel, heat and oxygen
Prohibited	Not allowed	Corrosive	Causes damage to any part of the body on contact	Carcinogenic	Substances that can cause cancer
Procedures	A list of operations to be performed	Ecotoxic	Damaging to the environment	PPE	Personal protective equipment
Hazard	Something that has the potential to cause harm	Controlled waste	Any waste which cannot be disposed of to landfill	VPE	Vehicle protective equipment
Risk	The likelihood of harm or damage actually happening	Kinetic lifting	A way of lifting objects that reduces the risk of injury to the lifter	Good housekeeping	Cleaning and tidying of tools and equipment

KNOW YOUR FIRE EXTINGUISHER COLOUR CODE

Water	Dry powder	Foam	CO₂ Carbon dioxide	Wet chemical
 <p>For use on</p> <p>CLASS A Wood, Paper, Textiles etc.</p>	 <p>For use on</p> <p>CLASS A Wood, Paper, Textiles etc.</p> <p>CLASS B Flammable liquids</p> <p>CLASS C Gaseous fires</p>	 <p>For use on</p> <p>CLASS A Wood, Paper, Textiles etc.</p> <p>CLASS B Flammable liquids</p>	 <p>For use on</p> <p>CLASS B Flammable liquids</p> <p>Live electrical equipment</p>	 <p>For use on</p> <p>CLASS A Wood, Paper, Textiles etc.</p> <p>CLASS F Cooking oil fires</p>
<p>Do not use on</p> <p>CLASS B Flammable liquids</p> <p>Live electrical equipment</p>	<p>Live electrical equipment</p>	<p>Do not use on</p> <p>Live electrical equipment</p>	<p>Do not use in a confined space</p>	

Health and Safety Acronyms & Abbreviations

COSHH – Control of Substances Hazardous to Health (2002)

LOLER – The Lifting Operations and Lifting Equipment Regulations (1998)

HASAWA – Health and Safety at Work Act (1974)

EPA – Environmental Protection Act (2008)

RIDDOR – Reporting of Injuries, Diseases, Dangerous Occurrences Regulations (2013)

PUWER – Provision and Use of Work Equipment Regulations (1998)

HSE - The Health and Safety Executive



What to do in the event of an electric shock?

- DO NOT touch the casualty
- Switch of the current source
- Follow your training when dealing with shock
- Obtain medical assistance

