# Year 11 Homework Booklet



<mark>Listening; Leadership; Presenting; Aiming High; Staying Positive; Problem Solving; Creativity; Teamwork</mark>

# I can statements for GCSE courses

# 2023-2024

Good Temper and Good Humour; Good Sense; Generosity; Compassion; Justice and Truthfulness

# English 'I Can Statements'

Date	'I Can' statements – Disciplinary Knowledge	Yes	No
	Read, understand and respond to texts by maintaining a critical style and develop an		
11.09.23	informed personal response. I can use textual references, including quotations, to		
	support and illustrate interpretations.		
18.09.2	Analyse the language, form and structure used by a writer to create meanings and		
	effects, using relevant subject terminology where appropriate.		
25.09.23	Show understanding of the relationships between texts and the contexts in which		
	they were written.		
02.10.23	Identify and interpret explicit and implicit information and ideas and select and		
	synthesise evidence from different texts		
	Explain, comment on and analyse how writers use language and structure to achieve		
09.10.23	effects and influence readers, using relevant subject terminology to support their		
46.40.00	views.		
16.10.23	Compare writers' ideas and perspectives, as well as how these are conveyed, across		
20.40.22	two or more texts		
30.10.23	Evaluate texts critically and support this with appropriate textual references		
	Communicate clearly, effectively and imaginatively, selecting and adapting tone, style		
06.11.23	and register for different forms, purposes and audiences. Organise information and		
	ideas, using structural and grammatical features to support coherence and cohesion		
42.44.22	of texts		
13.11.23	Use a range of vocabulary and sentence structures for clarity, purpose and effect, with		
Data	accurate spelling and punctuation.	Vee	NIa
Date	I Can' statements – Substantive Knowledge	Yes	INO
20 11 23	Naccelli Read understand and respond to texts using appropriate quotations and maintaining		
20.11.25	my own critical style		
27 11 23	Analyse the language rhyme rhythm and form used by a writer to create meanings		
27111120	and effects, using relevant subject terminology and connotations.		
04.12.23	Show understanding of the Jacobean England and the message that Shakespeare was		
	trying to convey.		
	Creative Writing		
11.12.23	Explain how the structure of a gothic text can influence its meaning.		
18.12.23	Explain 2 characters in 19 <sup>th</sup> century gothic texts		
08.01.24	Write my own gothic villain using literary techniques and description.		
15.01.24	Compare different writers' ideas, as well as how these are conveyed.		
	Anthology Poetry and Unseen Poetry		
22.01.24	Write imaginatively using show me sentences to create detailed worlds		
04.03.24	Plan my ideas to structure my work effectively; I can identify strengths and weakness		
	in my work		
11.03.24	Use varying vocabulary (spelled correctly) and correctly used sentence types in my		
	writing.		
18.03.24	Add context (social, historical, political) in to my analysis to explain the world around		
	when the book was written and draw comparisons to my own life.		
08.04.24	Explain in detail the more challenging language techniques a writer uses and explain		
	the effect they have on the reader.		
15.04.24	Evaluate the exam technique needed for success in the GCSE anthology		
22.04.24	Explain metaphor, simile and other literary techniques used in poetry		
29.04.24	Understand the key analysis points for the poems in the anthology		
06.05.24	Explain how rhythm and rhyme have been employed in selected poems and its effect		

# English 'I Can Statements'

Date	'I Can' statements – Disciplinary Knowledge	Yes	No
13.05.24	Understand what I need to do for the unseen poetry section in the exam		
20.05.24	Explain what went well from my AP3 assessment and how I can improve even more		
	for the real exam papers		

# French/Spanish 'I Can' Statements

Date	'I Can' statements	Yes	No
	Topic Name: Travel and Tourism		
	discuss holiday activities and weather.		
11.09.23	revise the present tense of regular verbs.		
	use verbs of opinion to refer to different people.		
	use the preterite tense.		
18.09.23	write a longer text.		
	book accommodation and deal with problems.		
25.09.23	use three tenses together.		
	identify positive and negative opinions.		
	Topic Name: School		
	give opinions about school subjects.		
02.10.23	compare subjects and teachers.		
	describe the school uniform and the school day.		
	use negatives.		
09.10.23	use phrases followed by the infinitive.		
	talk about plans for a school exchange.		
16.10.23	talk about activities and achievements.		
	understand object pronouns.		
	Topic Name: Friends and Family		
	talk about socialising and family.		
30.10.23	describe people.		
	talk about social networks.		
	extend responses by referring to others.		
06.11.23	make arrangements.		
	talk about reading preferences.		
13.11.23	use a range of connectives.		
	use etre and avoir.		
	Topic Name: Hobbies	1	
20.11.23	talk about free time activities.		
	use stem-changing verbs.		
27.11.23	talk about TV programmes and films.		
	talk about what you usually do.		
06.12.23	talk about sports.		
	listen for different tenses.		
11.12.23	use the perfect tense.		
	talk about who inspires you.		
	Topic Name: Cities	1	
01.01.24	talk about the main attractions in your local area		
08.01.24	talk about the places in a town or city.		
	ask for and understand directions.		
	describe the features of a region.		
15.01.24	use the future tense.		
	use demonstrative adjectives.		

# French/Spanish 'I Can' Statements

Date	'I Can' statements	Yes	No
22.01.24	talk about problems in a town.		
	describe a visit in the past.		
	Topic Name: Customs		
	describe mealtimes.		
29.01.24	talk about illnesses and injuries.		
	use quantity expressions.		
	compare different festivals.		
05.02.24	order in a restaurant.		
	use <i>etre</i> to describe a temporary state.		
19.02.24	talk about a music festival.		
	saying "before"/"after" doing something.		
	Topic Name: Jobs and Careers		
	talk about different jobs.		
26.02.24	use words with more than one meaning.		
	talk about work experience.		
	use the preterite and imperfect together.		
06.03.24	talk about languages and travel.		
	apply for a summer job.		
04.03.24	write a formal letter.		
	use different ways to express future plans.		
	Topic Name: Global Issues	1	
11.03.24	describe types of houses.		
	talk about the environment.		
18.03.24	talk about healthy eating.		
	use the superlative.		
08.04.24	comparing old and new health habits		
15.04.24	talking about charities		
22.04.24	discuss inequality		
29.04.24	discuss poverty		
06.05.24	discuss homelessness		
13.05.24	talk about solutions for social issues		
20.05.24	use the imperative		
20.05.24	use the conditional tense		

Date	'I Can' statements	Yes	No
	Biology: State the organelles in plant and animal cells and those only in plant cells		
	and explain the structure of organelles is related to its function		
11.09.23	Chemistry: Define the terms element, compound and mixture and name		
	compounds of elements from given formulae or symbol equations		
	<b>Physics:</b> describe ways in which energy can be stored and transferred.		
	<b>Biology:</b> describe how microscopy techniques have developed over time and recall and apply the magnification equation		
18.09.23	<b>Chemistry:</b> Write word equations for reactions and write formulae and balanced chemical equations		
	<b>Physics:</b> State the law of conservation of energy. Describe energy changes in a closed system		
25.09.23	<b>Biology:</b> Describe the structure of bacterial cells and compare eukaryotic and prokaryotic cells		
	<b>Chemistry:</b> Explain describe how to obtain a pure dry sample of crystals of a salt		
	<b>Physics:</b> Describe how work and energy are related. Calculate the work done by a force		
	<b>Biology:</b> Describe and explain the structure and roles of specialised cells		
02.10.23	<b>Chemistry:</b> Explain how distillation and chromatography work		
	<b>Physics:</b> Describe gravitational and potential energy and apply the equations for GPE and KE to calculate energy changes		
	Biology: Describe what happens during osmosis and diffusion		
09.10.23	<b>Chemistry:</b> Describe models of the atom over time and explain the evidence that Butherford published		
	<b>Physics:</b> Describe what is meant by the terms useful and wasted energy and what		
	happens to the wasted energy. Calculate the efficiency of energy transfers.		
	<b>Biology:</b> describe what happens in active transport and where active transport occurs		
16.10.23	Chemistry: Recall the mass and charges of subatomic particles. Calculate the		
	number of each subatomic particle in an atom. Calculate the RFM of a compound		
	Physics: Describe energy transfers in household electrical appliances		
	Biology: Describe the stages of the cell cycle		
30.10.23	<b>Chemistry:</b> Describe how elements are arranged in the historic and modern periodic table		
	<b>Physics:</b> Calculate the efficiency of an appliance in terms of power and the power wasted by an appliance		
	<b>Biology:</b> Describe what a stem cell is and give examples in plants and animals.		
	Explain the steps in therapeutic cloning and the advantages and disadvantages of		
	this technique		
06.11.23	Chemistry: Describe, explain and predict properties of group 1 and 7 elements		
	<b>Physics:</b> Describe how to determine SHC by experimentation. Apply the heat		
	capacity equation on the physics equation sheet to calculate temperature change		
	and change in thermal energy.		
	Biology: Define cell, tissue, organ and organ system and recall organs in the		
40.44.00	digestive system		
13.11.23	<b>Chemistry:</b> Explain the properties of ionic compounds and refer to ionic bonding		
	<b>Physics:</b> Calculate the changes in energy involved when a system is changed by:		
	Heating		
	Word done by forces		
	Work done when current flows		

Date	'I Can' statements	Yes	No
	Biology: Describe the roles of the organs in the digestive system and explain how		
20.11.23	to test for foods for carbohydrates, fats and proteins		
	Chemistry: Explain the properties of covalent compounds with reference to		
	covalent bonding, including construction of dot and cross diagrams		
	Physics: Describe how our homes are heated and how you can reduce the rate of		
	energy transfer from your home including the use of cavity wall insulation		
	<b>Biology:</b> Recall where digestive enzymes are made and describe the lock and key		
	model of enzyme function		
27.11.23	<b>Chemistry:</b> Describe and explain the properties of allotropes of carbon including		
	fullerenes and graphene		
	Physics: Describe now energy demands are met and the fuels that are used to		
	Biology: Describe how to invoctigate how pH affects applace		
0/1 12 22			
04.12.25	<b>Chemistry:</b> Describe the properties of metals with reference to metallic bonding		
	<b>Physics:</b> Describe the use of renewable resources for electricity generation		
	Biology: Explain how factors can affect enzymes		
11.12.23	Chemistry: Interpret balanced symbol equations		
	Physics: Describe the environmental impact of energy resources		
	Biology: Identify the parts of the blood and explain why it is a tissue		
	Chemistry: Calculate relative formula masses of substances using the idea of		
09.01.24	conservation. Calculate means, ranges and uncertainty.		
	<b>Physics:</b> Recall the symbols for circuit components, Use the V=IR equation,		
	Describe how to investigate the effect of length of wire on resistance		
	<b>Biology:</b> Describe the gross structure of the heart and the double circulatory		
	system		
15.01.24	Chemistry: Interpret balanced symbol equations		
	<b>Physics:</b> Describe how to investigate resistors in series and parallel, Describe the		
	pattern of current and p.d. in an ohmic conductor, filament lamp and diode		
	<b>Biology:</b> Describe and evaluate treatments for coronary heart disease		
22.01.24	Chemistry: Calculate masses in an equation using the number of moles and		
	balanced symbol equations		
	<b>Physics:</b> Describe patterns of PD, currant and resistance in series and parallel		
	<b>Biology:</b> Describe the structures and adaptations of the breathing system		
	<b>Chemistry:</b> Describe what concentration is. Calculate using the concentration =		
29.01.24	mass / volume equation		
	<b>Physics:</b> Recall the frequency and p.d. of mains supply in the UK, Explain the		
	difference between direct and alternating p.d., Describe the roles of wires in a		
	three-core cable		
	Biology: Describe the structure of a leaf and explain now the structure of plant		
	tissues are related to their job.		
05 02 24	metals with water and acid and relate these reactivity to the tendency of the metal		
03.02.24	to form its positive ions. Deduce an order of reactivity using practical results		
	<b>Physics:</b> Describe the National Grid, including the role of transformers and explain		
	why it is an efficient way to transfer energy		

Date	'I Can' statements	Yes	No
	Biology: Describe what happens in transpiration and the factors that affect its rate		
19.02.24	<b>Chemistry:</b> Describe how metals can be extracted using the blast furnace and		
	electrolysis		
	Physics: Explain changes of state as physical changes, including how heating changes		
	internal energy		
	Biology: Describe what happens in translocation		
	Chemistry: Describe oxidation and reduction in terms of electrons. Write ionic half		
26.02.24	equations for displacement reactions. Identify in a given reaction, symbol equation		
	or half equation which species are oxidised and which are reduced		
	<b>Physics:</b> Define latent heat and interpret heating and cooling graphs, apply the		
	specific latent heat equation		
	<b>Biology:</b> Recall the symptoms and causes of a range of plant and animal viruses		
04 02 24	Including measles, HIV and TMV		
04.03.24	<b>Chemistry:</b> Recall the products of the reaction between an acid and a metal, deduce		
	The names and formulae of sails		
	temp and pressure. Calculate using the pressure equation		
	<b>Biology:</b> Becall the symptoms and causes and prevention methods for salmonella		
	and gonorrhoea		
11.03.24	<b>Chemistry:</b> Describe what happens in neutralisation reactions and describe how to		
	make pure, dry crystals of a salt formed in these reactions		
	<b>Physics:</b> Calculate the density of a material, Explain the density of materials using		
	the particle model, Describe techniques for determining the density of materials		
	Biology: Describe non-specific and specific body defences		
18.03.24	Chemistry: Describe the difference between strong and weak acids. Describe the pH		
	scale and the numerical link between pH and H+ concentration		
	Physics:		
	Biology: Explain how antibodies work		
	<b>Chemistry:</b> Describe the process of electrolysis, including the products formed at the		
25.03.24	anode and cathode and the role of electrolysis in the extraction of metals		
	Physics: Describe the arrangement of subatomic particles in an atom, describe how		
	electron arrangements might change, describe what an isotope is		
	<b>Biology:</b> Explain what a vaccine is, how it works and evaluate the use of vaccines in		
	the prevention of disease		
	<b>Chemistry:</b> Recall what conservation of energy means. Describe what happens in an		
15.04.24	endothermic reaction and exothermic reaction in terms of energy. Recall examples		
	<b>Physics:</b> Describe models of the atom over time, explain the results of Rutherford's		
	experiments		
	<b>Biology:</b> Describe what antibiotics and painkillers are and the problem of antibiotic		
	resistance		
	<b>Chemistry:</b> Describe how to measure temperature changes in a reaction and the		
22.04.24	variables that can affect temperature change. Draw and label reaction profiles for		
	endo and exothermic reactions to include labelling activation energy.		
	Physics: Describe the process of radioactive decay including how it is measured,		
	describe the types of nuclear radiation		
	Biology: Recall where drugs traditionally come from and describe the stages of drug		
29.05.24	development		
	<b>Chemistry:</b> Draw tangents to curves and use them to calculate the rate of a reaction		
	Physics: Evaluate the best sources of radiation to use in a situation,		

Date	'I Can' statements	Yes	No
	Biology: Describe what cancer is and recall its risk factors. Explain the difference		
	between benign and malignant tumours		
06.05.24	Chemistry: Describe factors that affect the rate of a reaction		
	Physics: Explain changes in atomic number and mass during decay and interpret		
	nuclear equations		
	Biology: Describe the effects of smoking on health		
13.05.24	<b>Chemistry:</b> Describe collision theory and use it to predict how rates of reaction can change		
	Physics: Recall that radioactive decay is random, Describe what half-life is, Calculate		
	half-life and net decline in activity, Compare the hazards of contamination and		
	irradiation		
	Biology: Describe the effects of diet and exercise on health		
	Chemistry: Describe what a catalyst is and explain how catalysts increase rates of		
20.05.24	reaction		
	<b>Physics:</b> Describe what a scalar and vector quantities are, Describe the forces involved		
	in interactions between objects		
	<b>Biology:</b> Describe the effects of alcohol and other carcinogens on health		
02.06.24	Chemistry: Interpret reaction profiles showing catalysts		
03.06.24	Physics: Calculate the weight of an object, Explain the concept of 'centre of mass' and		
	calculate the resultant forces acting on an object		
	Biology: Recall the equation for photosynthesis and describe what happens during		
	photosynthesis		
10.06.24	<b>Chemistry:</b> Describe what a reversible reaction is and what happens at equilibrium		
	<b>Physics:</b> Use vector diagrams to determine a resultant force, Calculate the work done		
	by a force		
	<b>Biology:</b> Explain why photosynthesis is an endothermic reaction and describe the factors that affect the rate of photosynthesis		
17.06.24	Chemistry: Explain what Le Chatelier's principle is and use it to predict the effect of		
	changing concentration, temperature and pressure on equilibrium		
	Physics:		

Date	'I Can' statements	Yes	No
	Biology		
11 00 22	Describe how to grow an uncontaminated culture of bacteria in the lab		
	Describe how uncontaminated cultures are used		
	State why bacteria are cultured at lower temperatures in schools than in industry		
11.09.25	State that bacteria can divide by binary fission every 20 minutes if they have the right		
	conditions		
	Calculate the number of bacteria in a population		
	Describe the effect of disinfectants and antibiotics on bacterial growth		
	Describe the variety of plant pathogens		
	Explain how mineral deficiencies can cause non-communicable diseases in plants		
25.09.23	Explain how to detect plant diseases		
	Explain that plants have evolved a variety of mechanisms to defend themselves		
	against pathogens and herbivores		
	Describe how monoclonal antibodies are produced		
	Explain how monoclonal antibodies are used		
09.10.23	Describe the advantages and disadvantages of using monoclonal antibodies		
	Describe and explain the properties of the transition elements		
	Compare the transition elements with the alkali metals		
	Chemistry		
	State what is meant by the yield of a chemical reaction		
16.10.23	Describe the factors that can affect the yield of a reaction		
	Calculate theoretical yield of a reaction		
	Calculate percentage yield of a reaction		
	Calculate the atom economy of a reaction to form a desired product from the		
30.10.23	balanced equation		
	Explain why atom economy is important in industrial processes		
	Describe how to accurately measure the amount of acid and alkali that react		
	together completely		
	Explain how to determine when a reaction is complete		
	Calculate the number of moles or the mass of a solute in a given volume of a solution		
	Calculate the amount of acid or alkali needed in a neutralisation reaction		
	Calculate the amount of acid of alkali needed in a neutralisation reaction		
06.11.23	one concentration is known		
	Calculate the volume of a gas at room temperature and pressure from its mass and		
	relative formula mass		
	Calculate volumes of gaseous reactants and products from a balanced equation and a		
	given volume of a gaseous reactant or product		
	Physics		
13.11.23	Describe what infrared radiation is		
	State how infrared radiation depends on the temperature of an object		

Date	'I Can' statements	Yes	No
13.11.23	Explain what is meant by black body radiation		
	Explain what happens to the temperature of an object if it absorbs more radiation than it emits		
	Explain how the temperature of the earth is affected by the balance of absorbed and emitted radiation		
20.11.23	State what happens when insulating materials are rubbed together		
	Describe what is transferred when objects become charged		
	Describe what happens when charges are brought together		
	State that the force between charged objects is a non-contact force		
27.11.23	Describe how pressure (or volume) changes affect the volume (or pressure) of the		
	Explain why the pressure of a gas changes when its volume is changed at constant		
	Use the equation pV=constant		
	Explain why the temperature of a gas increases when it is compressed quickly		
	Biology	<u> </u>	
	Recall what the main areas of the brain do	[	
	Explain how scientists find out about the structure and functions of the brain		
	Describe the gross structure of the human eye and explain how the structures are		
04.12.23	related to their functions		
	Explain how the eye focuses light		
	Explain how the eye focuses on near and distant objects		
	Explain what happens in short sightedness and long sightedness and how these problems can be solved		
	Describe how plants respond to light and gravity		
	Explain the importance of auxin in plant responses		
	Evaluate the use of plant hormones in agriculture and horticulture		
11.12.23	Describe how the body monitors its temperature		
	Explain how the body maintains a constant core temperature regardless of external conditions		
	Explain how the body gets rid of the waste products from cells		
	State why the kidneys are important and how they work		
	State the importance of the hormone ADH in water balance		
	State that dialysis can be used to carry out the function of the damaged kidneys		
40 42 22	Evaluate the use of dialysis		
18.12.23	Explain what is involved in a kidney transplant and how the problems of rejection can		
	be solved		
	Evaluate the use of dialysis		
	Explain what is involved in a kidney transplant and how the problems of rejection can be solved		

Date	'I Can' statements	Yes	No
	Chemistry		
	Interpret data on chemical cells in terms of the relative reactivity of different metals		
	Evaluate the use of chemical cells including hydrogen cells		
	Plan an investigation into the voltage produced by simple cells using different metals		
00.01.24	Write half equations for the electrodes in the hydrogen fuel cell		
08.01.24	Name the alkenes ethene, propene, butene and pentene		
	Describe how alkenes react with oxygen in the air		
	Draw displayed formulae of the first four members of the alkenes and the products		
	of their addition reactions with hydrogen, water and the halogens		
	State the name and formulae of the first 4 members of the alcohols and carboxylic		
	acids as well as the ester ethyl ethanoate and to represent their structures using		
	displayed formulae		
	Write balanced chemical equations for the combustion of alcohols		
	The products of the reaction of alcohols with sodium and when they are oxidised		
15 01 24	State some uses of alcohols		
15.01.24	Recognise carboxylic acids from their properties		
	Explain why carboxylic acids are described as weak acids		
	Explain how to make esters		
	Recognise addition polymers and monomers from displayed formulae		
	Draw diagrams to represent the formation of a polymer from a given monomer		
	Relate repeating units of a polymer to its monomer		
	Describe condensation polymerisation including the functional groups in the		
	monomers and repeating units in the polymers		
22.01.24	Explain how polyesters are formed		
	Explain how polymers of sugars are formed with reference to starch and cellulose		
	Explain how amino acids react together to form proteins by condensation		
	polymerisation		
	Describe the basic structure of nucleotides and the structure of DNA		
	Physics		
	State which radionucleotides are used in medicine and how their properties relate to		
	the job that they do		
	State the type of radiation used for medical imaging		
05 02 24	Explain how radioactivity is used to destroy cancer cells		
05.02.24	Describe what nuclear fission is and the difference between spontaneous and		
	induced fission		
	Explain what a chain reaction is and how a chain reaction in a nuclear reactor is		
	Controlled		
	Explain where the Sun's energy serves from		
	Explain where the sun's energy comes from		
12 02 24	Explain why it is difficult to make a nuclear fusion reactor		
12102127	State what radon gas is and why it is dangerous		
	Evaluate the safety of nuclear reactors including the disposal of nuclear waste		
	State what the moment of a force measures		
	Calculate the moment of a force and explain how it can be increased		

Date	'I Can' statements	Yes	No
	Explain why levers are force multipliers and how you can tell if a lever is a force		
	multiplier		
	Explain what gears do and how they can give a bigger turning effect		
	Identify forces that can turn an object and if it is an clockwise or anticlockwise turn		
	Calculate the size of a force acting on a balanced object		
04 03 24	Describe changes of momentum		
04.03.24	Explain the impact force and momentum when two vehicles collide and how the		
	safety measures on modern cars have improved passenger safety		
	State what is meant by pressure and its units		
	Apply the pressure equation and know why the area of contact is important in pressure applications		
	Describe the changes in pressure at different depths in a liquid		
	Calculate the pressure caused by a liquid column		
11.03.24	Explain why the atmosphere exerts a pressure and how it changes with altitude		
	Explain what causes upthrust and whether an object floats or sinks		
	Biology		
	Describe the advantages and disadvantages of asexual and sexual reproduction and		
	explain that some organisms can reproduce asexually or sexually dependent on the		
	circumstances		
	Explain what happens in mutations and how genes are expressed		
10.02.24	Describe the work of Mendel and how his work fits into modern ideas of genetics		
18.03.24	Describe the work of Charles Darwin and the modern-day theory of evolution		
	including why his ideas of evolution were only gradually accepted		
	Describe the work of Alfred Russel Wallace and his ideas of how new species arose		
	State what affects the rate of decomposition		
	Describe how to make compost		
	Evaluate the effects of environmental change on the distribution of organisms		
	Describe different types of environmental changes		
08.04.24	Construct accurate pyramids of biomass from appropriate data about the different trophic levels		
	State the amount of biomass transferred from one trophic level to the next and how		
	biomass is lost at each stage		
	State some of the factors that threaten global food security		
	Evaluate the advantages and disadvantages of modern farming techniques		
	Chemistry		
	Describe how to test for positive ions		
	Describe how to test for negative ions		
	Evaluate the use of instrumental analysis in chemistry		
45.04.04	Describe how to interpret results from flame emission spectroscopy		
15.04.24	Describe how to investigate the conditions necessary for rusting		
	Describe how to protect from rusting		
	State some examples of common alloys and explain why metals are alloyed		
	Explain how changing reaction conditions can modify the properties of polymers		

Date	'I Can' statements	Yes	No
	Describe the difference between thermosetting and thermosoftening plastics		
	Describe the properties of glass and clay ceramics, polymers, composites and metals		
	and how their properties relate to their uses		
22.04.24	Explain why nitrogen-based fertilisers are needed to improve crop yields		
	State the raw materials and conditions used to manufacture ammonia		
	Explain how the commercially used conditions for the Haber process are related to		
	availability, cost, energy supplies and equilibrium position		
	Describe the properties of glass and clay ceramics, polymers, composites and metals		
	and how their properties relate to their uses		
	Explain why nitrogen-based fertilisers are needed to improve crop yields		
	State the raw materials and conditions used to manufacture ammonia		
29 04 24	Explain how the commercially used conditions for the Haber process are related to		
23.04.24	availability, cost, energy supplies and equilibrium position		
	Describe how fertilisers can be made in the lab and in industry		
	Physics	1	
	State what affects the loudness of a musical note		
06 05 24	Explain what ultrasound waves are and how they can be used in medical imaging		
00.03.24	Describe what seismic waves are and how they are produced		
	Explain the difference between primary and secondary seismic waves		
	Describe the information that seismic waves give about the earth		
	State the laws of reflection at a plane mirror		
	State where light refraction takes place		
	Explain how a light ray refracts as it goes from air to glass or glass to air		
	Describe the difference between a translucent object and a transparent objects		
	Describe the difference between convex and concave lenses		
	Calculate magnification		
12 OF 24	Describe the formation of images using lenses		
15.05.24	Describe the uses of electromagnets		
	Explain how devices that use electromagnets work		
	Describe what the generator effect is		
	Explain how potential difference can be induced in a wire and what affects its size		
	Explain how to deduce the direction of an induced current		
	Explain the construction of an alternator and dynamo		
	Explain the use of step-up and step-down transformers		
	Use the transformer equation in calculations		
	Describe how the solar system formed		
	State what is meant by a protostar		
20.05.24	Explain how energy is released inside the sun		
	Describe the lifecycle of a star		
	Explain why planets and satellites move in orbits and what affects the speed of an		
	orbit		
	Describe what red shift is and what it tells us about our universe		
	Describe what the big bang theory is and the evidence for it		

#### Maths 'I Can' Statements

Date	'I Can' statements	Yes	No
	Indices and Standard Form		
	Calculate indices involving multiplication and division		
11 00 22	Calculate indices involving brackets		
11.09.23	Calculate indices involving algebra		
	Understand how to simply negative indices		
	Convert numbers into standard form		
40.00.00	Convert numbers into ordinary numbers	_	
18.09.23	Multiply numbers in standard form		
	Convert numbers into standard form with negative indices	_	
	Expression and Formulae		
25 00 22	Write expressions using algebraic notation		
23.09.23	Simplify expressions		
	Substitute into simple expressions		
02 10 23	Substitute into expressions involving indices		
02.10.25	Rearrange formulae		
	Expand 2 separate single brackets and simplify expressions		
	Expand double brackets and simplify		
09.10.23	Factorise into single brackets		
	Factorise into double brackets		
	Set up and solve simple equations		
16.10.23	Solve one-sided equations (unknown on one side)		
	Solve two-sided equations (unknown on both sides)		
	Data		
23.10.23	Find the mean, median, mode and range of a list of data		
	Find averages and range from a frequency table		
06 11 22	Draw scatter diagrams, including drawing a line of best fit to make predictions		
00.11.25	Recognise correlation of scatter diagrams and know that it does not indicate causation		
13.11.23	Draw and interpret stem and leaf diagrams to find averages/range		
	Design questionnaire, data collection sheet/two way table		
20.11.23	Draw and interpret time series graphs		
	Draw and interpret bar charts and pictograms		
27.11.23	Compare data from different representations	_	
	Draw and interpret pie charts		
	Multiplicative Reasoning		
	Draw and measure line segments and angles in geometric shapes		
04 12 23	Construct congruent triangles		
0 1122.20	Construct similar snapes by enlargement		
	Enlarge a shape and describe enlargement including the centre of enlargement		
11 12 22			
11.12.25	Eind the outcome of a given percentage increase or decrease		
01 01 24	Calculate reverse percentage and percentage change	_	
08 01 24	Solve worded real-life problems involving percentages		
00.01.24	Calculate simple interest		
15 01 24	Calculate compound interest		
13.01.24			

#### Maths 'I Can' Statements

Date	'I Can' statements	Yes	No
22.02.24	Solve problems involving speed, distance and time		
22.02.24	Solve problems involving unit pricing		
	Constructions		
	Read and construct scale drawings		
29.01.24	Measure and write bearings		
	Draw bearings accurately to solve real-life problems		
	Construct triangles using ruler and compasses or protractor		
05.02.24	Construct the perpendicular bisector of a line		
19.02.24	Construct the perpendicular from a point on a line		
	Construct the bisector of an angle		
26 02 24	Know that the perpendicular distance from a point to a line is the shortest distance to the line		
20.02.24	Draw plans and elevations given 3-D shapes		
	Draw a sketch of the 3-D shape given plans and elevations		
	Sequence, Inequalities, Equation & Proportion		
	Understand what is meant by the term inequality and show them on a number line		
	Solve an inequality with terms on both sides		
04.03.24	Generate and describe sequences using a term-to-term rule		
	Generate sequences using nth term formula by substitution		
	Find the nth term formula of a linear sequence		
	Find the nth term formula of patterns		
11.03.24	Recognise geometric sequences		
	Recognise quadratic sequences		
	Identify direct and inverse proportional graphs		
18.03.24	Form the direct proportion formulae		
	Form the inverse proportion formulae		
	Solve worded problems on direct and inverse proportion		
	Circle, Pythagoras & Prisms		
	Identify all the different parts of a circle		
08.04.24	Calculate the circumference and area of a circle		
	Calculate the area of composite shapes		
15.04.24	Use Pythagoras theorem to find missing sides in right angled triangles		
22.04.24	Use trigonometry to find missing sides and angles in right angled triangles		
29.04.24	Use trigonometry to find missing sides and angles in right angled triangles		
06.05.24	Calculate the volume of 3D shapes		
13.05.24	Calculate the surface area of 3D shapes		
20.05.24	Apply angle facts, triangle congruence and similarity to find missing angles in shapes		

#### Computer Science 'I Can Statements'

Date	'I Can' statements	Yes	No
	1.1 Systems Architecture		
	I can explain what actions occur at each stage of the fetch-decode-execute cycle.		
	I can state the role and purpose of each component (ALU, CU, Cache, Registers)		
11.09.23	and what it manages, stores or controls during the fetch-execute cycle.		
	I can explain the purpose of each register (MAR, MDR, PC, Accumulator) and what		
	it stores (data or address)		
	I can explain the difference between storing data and an address.		
	I can explain the effects of changing any of the common characteristics of CPUs		
18.09.23	(clock speed, cache, number of cores) on system performance.		
	I can explain what embedded systems are, including the typical characteristics and		
	examples of them.		
	1.2 Memory and Storage	T	
	I can explain the key characteristics of RAM and ROM.		
	I can explain the need for virtual memory, including the transfer of data between		
25.09.23	RAM and hard drive.		
	I can explain why computers have secondary storage.		
	I can compare advantages and disadvantages (capacity, speed, portability,		
	durability, reliability, cost) of different storage mediums (optical, magnetic, solid		
02.10.23	state).		
	I can explain why data must be stored in binary format		
	I can convert between binary and denary.		
00 10 22	I can convert between binary and hexadecimal.		
09.10.23	I can carry out binary shifts and explain the effect on a number.		
	I can explain now characters are stored in binary using ASCII or UNICODE.		
	I can explain how the number of characters is limited by the bits available.		
16 10 23	specific code		
10.10.25	L can evolate the effect on image size and quality when changing colour denth and		
	resolution		
	I can explain how metadata stores additional image information (height, width)		
30.10.23	I can explain how analogue sounds must be stored in binary		
00120120	L can explain the impact of sample rate (Hz). Duration and Bit Depth on the quality		
	and file size of a sound file.		
	I can calculate the file size of sound, image and text files.		
06.11.23	I can explain the need for and advantages of compression.		
	I can explain the difference between lossy and lossless compression.		
-	1.3 Networks and Topologies	<u> </u>	
	I can explain the characteristics of LAN and WAN networks.		
	I can explain the different factors that can affect the performance of a network		
13.11.23	(number of devices, bandwidth).		
	I can explain the tasks performed by each piece of hardware (WAP, Routers,		
	Switches, NIC, Transmission Media).		
	I can explain a DNS's role in the conversion of a URL to an IP address		
20.11.23	I can explain advantages and disadvantages of the Star and Mesh topologies		
	I can explain advantages and disadvantages of the Cloud.		
	I can compare benefits and drawbacks of wired versus wireless connection.		
	I can explain the principle of a (communication) protocol as a set of rules for		
27.11.23	transferring data		
	I can explain the basic principles of each protocol (TCP/IP, HTTP, HTTPS, FTP, POP,		
	IMAP, SMTP) i.e. its purpose and key features		

#### Computer Science 'I Can Statements'

Date	'I Can' statements	Yes	No
	1.4 Network Security		
	I can demonstrate knowledge of each form of attack (Malware, Social Engineering,		
	Brute-Force attack, Denial of Service, Data interception and theft, SQL injection)		
04.12.23	including its purpose and how it is used.		
	I can demonstrate knowledge of each prevention method (penetration testing, anti-		
	malware software, firewalls, user access levels, passwords, encryption, physical		
	security) including how it limits the attack.		
	1.5 Operating Systems		
	I can explain what each function of the operating system does (user interface,		
11.12.23	memory management, multitasking, peripheral management and drivers, user		
	management, file management.		
	I can explain that data is transferred between devices and the processor.		
	I can explain how that computers often come with utility software, and how this		
01.01.24	performs housekeeping tasks		
	I can explain the purpose of the identified utility software (encryption,		
	defragmentation, data compression) and why it is required		
	1.6 Ethical, legal, cultural and environmental impacts of digital technology.	r	
	I can explain the purpose of each piece of legislation (The Data Protection Act 2018,		
	Computer Misuse Act 1990, Copyright Designs and Patents Act 1988) and the		
	specific actions it allows or prohibits.		
00.01.24	I can discuss the impact of technology on wider society, including ethical issues,		
08.01.24	cultural issues, environmental issues, privacy issues.		
	Features of open source (providing access to the source code and		
	Eastures of proprietory (polosocies to the source code, purchased		
	commonly as off the shelf)		
	2 1 Algorithms		
	L can explain the principles of abstraction, decomposition and algorithmic thinking		
15.01.24	and how they are used to define and refine problems.		
	I can create algorithms using Pseudocode.		
	I can create algorithms using Flowcharts		
	I can trace the values of variables using trace tables.		
29.01.24	I can apply the linear search to a data set.		
	L can apply the binary search to a <b>sorted</b> data set		
	I can apply the bubble sort to a data set.		
05.02.24	I can apply the merge sort to a data set.		
	I can apply the insertion sort to a data set.		
12.02.24	I can use basic data handling operations (open, read, write, close).		
	I can use SQL to search for data.		
	2.2 Programming Fundamentals		
	I can explain the use of the three programming constructs (sequence, selection,		
	iteration).		
26.02.24	I can use variables, constants, operators, inputs, outputs and assignments.		
	I can use the common arithmetic operators (e.g. add, subtract, modulus quotient,		
	exponentiation) and comparison operators (e.g. >)		
	I can apply the Boolean operators AND, OR and NOT.		
04.03.24	I can identify the data types integer, real, Boolean, character, string.		
	I can cast between data types.		
	I can carry out basic string manipulation (concatenation, slicing).		
11.03.24	I can use basic data handling operations (open, read, write, close).		
	I can use SQL to search for data.		

#### Computer Science 'I Can Statements'

Date	'I Can' statements	Yes	No
	2.3 Producing robust programs		
	I can explain the defensive design considerations (anticipating misuse,		
	authentication).		
18.03.24	I can explain the need for input validation.		
	I can explain the features of maintainable code (use of sub programs, naming		
	conventions, indentation, commenting).		
	I can explain the purpose of testing.		
08.04.24	I can explain the differences between iterative and final/terminal testing.		
	I can explain the difference between syntax and logic errors.		
15.04.24	I can select and use suitable test data (normal, boundary, invalid, erroneous).		
	2.4 Boolean Logic		
	I can complete truth tables and draw the logic gate symbol for the AND Gate.		
22.04.24	I can complete truth tables and draw the logic gate symbol for the OR Gate.		
	I can complete truth tables and draw the logic gate symbol for the NOT Gate.		
	I can work with more than one gate in a logic diagram and truth table.		
	2.5 Programming languages and Integrated Development Environments		
29.04.24	I can explain the differences between high- and low-level programming languages		
	I can explain the purpose of and need for translators		
06.05.24	I can explain the characteristics of a compiler		
13.05.24	I can explain the characteristics of an interpreter		
20.05.24	How each of the tools and facilities of an IDE (editors, error diagnostics, run-time		
	environment, translators) can be used to help a programmer develop a program		

Data			
Date	i Can' Statements – Disciplinary Knowledge	Yes	NO
	I can recognise physical and human geography features on 1:25000 and 1:50000		
11.09.23	OS maps.		
	I can use and interpret a variety of graphs, infographs and charts e.g. choropleth		
18.09.23	maps to recognise changes over time		
	I can understand the kinds of question capable of being investigated through		
25.09.23	fieldwork and an understanding of the geographical enquiry processes appropriate		
	to investigate these		
	I can process and present fieldwork data in various ways including maps, GIS,		
02.10.23	graphs and diagrams (hand drawn and computer-generated).		
09.10.23	I can reflect critically on fieldwork data, methods used, conclusions drawn and		
	knowledge gained.		
	'I Can' Statements – Substantive Knowledge	Yes	No
	I can recognise that urbanisation is a global process		
16.10.23	I can recognise that degree of urbanisation varies across the UK		
	I can understand why Birmingham (MEDC urban area case study) is influenced by		
30.10.23	its structure and function		
	I can explain why globalisation and economic change creates challenges for		
06.11.23	Birmingham		
13.11.23	I can understand why the character of Mexico City is influenced by its fast rate of		
	growth		
20.11.23	I can explain why rapid growth in Mexico City results in a number of challenges		
	that need to be managed		
27.11.23	I can recognise that development measurements vary		
04.12.23	I can understand why the level of development varies globally		
11.12.23	I can understand why uneven global development has had a range of		
	consequences		
01.01.24	I can explain why a range of strategies has been used to try to address uneven		
	development		
08.01.24	I can explain why the level of development of India (Emerging Economy case		
	study) is influenced by its location and context in the world		
15.01.24	I can understand why the interactions of economic, social and demographic		
	processes influence the development of the chosen developing or emerging		
	country		
22.01.24	I can recognise that changing geopolitics and technology impact on India		

#### Geography 'I Can Statements'

# Geography 'I Can Statements'

Date	'I Can' Statements – Disciplinary Knowledge	Yes	No
29.01.24	I can understand why are positive and negative impacts of rapid development for		
	the people and environment of India		
05.02.24	I can recognise that a natural resource is any feature or part of the environment		
	that can be used to meet human needs		
12.02.24	I can understand why the distribution and consumption of natural resources varies		
	on a global and a national scale		
19.02.24	I can recognise that the supply of fresh water supply varies globally		
04.03.24	I can explain why differences between the water consumption patterns of		
	developing countries and developed countries		
11.03.24	I can explain why countries at different levels of development have water supply		
	problems		
18.03.24	I can recognise that meeting the demands for water resources could involves		
	technology and interventions by different interest groups		
08.04.24	I can explain why the management and sustainable use of water resources are		
	required at a range of spatial scales from local to international		
15.04.24	I can use statistics (e.g. changing means) to recognise trends over time e.g.		
	population data, development statistics, socio-economic changes		
22.04.24	I can use Geographical Information Systems to recognise changes in human		
	features over time e.g. changing land use in urban areas		
29.04.24	I can understand the range of techniques and methods used in fieldwork, including		
	observation and different kinds of measurement.		
06.05.24	I can analyse and explain the data collected in the field using knowledge of		
	relevant geographical case studies and theories.		
13.05.24	I can explain why Birmingham is being changed by movements of people,		
	employment and services		
20.05.24	I can explain why Mexico City (Emerging Economy urban area case study) is		
	influenced by its structure and function		

# History 'I Can Statements'

Date	'I Can' Statements – Disciplinary Knowledge	Yes	No
	Demonstrate knowledge and understanding of the key features and characteristics		
11.09.23	of the period studied.		
	Explain and analyse historical events and periods studied using second-order		
	historical concepts.		
	Analyse, evaluate and use sources (contemporary to the period) to make		
	substantiated judgements, in the context of historical events studied.		
18.09.23	Analyse, evaluate and make substantiated judgements about interpretations		
	(including how and why interpretations may differ) in the context of historical		
	events studied		
25.09.23	Analyse, evaluate and make substantiated judgements utilising evidence and		
	weighing different factors against one another		
	'I Can' Statements – Substantive Knowledge	Yes	No
02.10.23	Explain the nature and aims of the Treaty of Versailles and determine how sensible		
	it was		
	Explain the extent to which the peacemakers after WW1 achieved their aims		
00 40 00	Explain German objections to the ToV and nature of the Wall Street Crash and		
09.10.23	Great Depression on European politics		
	Explain the composition of the League of Nations and its purpose		
	Evaluate the successes and failures of the League of Nations		
16 10 22	Explain the Locarno treaties and the Kellogg-Briand Pact		
16.10.23	Explain the Manchurian and Abyssinian crises and their consequences		
	Explain the failure of the League to avert war in 1939.		
	Explain how important early moves were by Hitler in creating tension in the 1930s.		
22 10 22	Did he intend to cause the Second World War?		
23.10.23	Explain how the remilitarisation of the Rhineland, Mussolini, the Anti-Comitern		
	Pact escalated tensions in Europe prior to 1939		
06 11 22	Evaluate reasons for and against the policy of appeasement		
00.11.25	Explain the significance of the Sudeten crisis and Munich and ending of		
	appeasement		
	Explain the collapse of the policy of appeasement and the relative importance of		
13 11 23	the different factors which contributed to the outbreak of war in 1939 – the		
13.11.25	Explain how the invacion of Deland led to the outbreak of war		
	Explain now the invasion of Poland led to the outbreak of war		
	individuals: Hitler, Stalin and Chamberlain		
20.11.23	Reach a judgement about whether Neville Chamberlain deserve to be blamed for		
	his nolicy of Anneasement?		
	Reach a clear overall conclusion assessing the importance of differing factors. Such		
27.11.23	as the Treaty of Versailles, the League of Nations, the Wall Street Crash, Hitler		
_	Stalin, appeasement and the attitudes of Britain. France and other powers such as		
	the USA and Italy.		
04.12.23	Explain the growth of parliamentary government and the influence of Prussian		
	militarism		
11.12.23	Explain the role of industrialisation and the growth of socialism in Germany		
	Explain the impact the Navy Laws had on the Kaiser's relationship with the		
01.01.24	government.		
	Explain Germany war weariness in 1918 and its role in the end of monarchy		

# History 'I Can Statements'

Date	'I Can' Statements – Disciplinary Knowledge	Yes	No
	Explain financial problems in Germany post-1918 - reparations		
18.01.24	Explain the impact of the Great Depression in Germany and how this led to		
	hyperinflation		
	Explain the significance of the occupation of the Ruhr		
15.01.24	Explain political unrest in Weimar Germany 1919-24 – the Spartacists, Kapp Putsch		
	and the Munich Putsch		
	Explain the extent of recovery during the Stresseman years – the Dawes Plan,		
	Young Plan and role of international agreements of recovery		
22.01.24	Compare different reasons why extremism emerged in Germany and how the role		
	of the SA and Hitler's appeal became more prominent, 1928-32		
	Evaluate how Hitler became Chancellor; a brief narrative of the plotting by key		
29.01.24	political figures including Hindenburg.		
	Explain how the Reichstag fire was used to promote Hitler's dictatorship		
05.02.24	Explain the significance of the Enabling Act and how this helped Hitler eliminate		
	political opposition in Germany		
12.02.24	Explain how Hitler neutralised opposition in Germany – notably through the Night		
	of the Long Knives		
19.02.24	Reach a judgement of how the the Nazis brought benefits to Germans and		
	Germany, 1933-45.		
04.03.24	Evaluate Nazi policies towards women: the reasons for the policies; the methods		
	used; their level of success and their impact on women.		
11.03.24	Explain Nazi policies towards young people: the reasons, the methods, their level		
	of success and their impact on young people		
18.03.24	Explain Nazi policies towards churches and religion: the reasons, the methods,		
	their level of success and their impact on churches and individuals		
08.04.24	Identify Nazi racial policy and their effects – why and how were minorities		
	persecuted? How and why did this change over time including the Final Solution?		
	How was it possible to carry out persecution out on a large scale?		
15.04.24	Explain the role of Josef Goebbels, the use of Nazi propaganda and their level of		
	success on the German people		
22.04.24	Explain the extent of the police state, Himmler, the SS and Gestapo		
29.04.24	Explain who opposed the Nazis, why and how effectively they were deal with.		
06.05.24	Explain the role of Nazi leadership in orchestrating tensions that led to the		
	outbreak of WW2		
13.05.24	Evaluate the key reasons why WW2 broke out in 1939		
20.05.24	Explain my view on how far appeasement was to blame for WW2 starting in 1939		

# RS 'I Can Statements'

Date	'I Can' Statements	Yes	No
12.09.23	Understand the nature of God - God as omnipotent, loving and just, and the		
	problem of evil and suffering		
	Understand key beliefs of Islam, including - The six articles of faith in Sunni Islam		
	and five roots in Shi'a Islam, and the key similarities and differences		
19.09.23	Understand the oneness of God and the Trinity: Father, Son and Holy Spirit		
26.09.23	Explain different Christian beliefs about creation including the role of Word and		
	Spirit (John 1:1-3 and Genesis 1:1-3)		
	Know what Tawhid (the Oneness of God)is, and what it says in the Qur'an Surah		
	112 about it.		
03.10.23	Understand different Christian beliefs about the afterlife and their importance,		
	including: resurrection and life after death; judgement, heaven and hell		
	Understand what Muslims believe about the nature of God: omnipotence,		
	beneficence, mercy, fairness and justice/Adalat in Shi'a Islam, including different		
	ideas about God's relationship with the world: immanence and transcendence		
10.10.23	Understand the incarnation and Jesus as the Son of God		
	Explain what Muslims believe about Angels, their nature and role, including Jibril		
31.10.23	Understand what is meant by the crucifixion, resurrection and ascension of Jesus		
	Understand predestination and human freedom and its relationship to the Day of		
05 42 22	Judgement according to Muslims		
05.12.23	Understand what is meant by sin, including original sin		
	Understand Muslim thought about Akhiran (life after death), numan responsibility		
12 12 22	and accountability, resurrection, neaven and neil		
12.12.23	and Spirit		
	Know about the Muslim attitudes to Risalah (Prophethood) including the role and		
	importance of Adam. Ibrahim and Muhammad		
09.01.24	Understand the role of Christ in salvation including the idea of atonement for		
	Christians		
	Understand the Muslim holy books: The Qur'an: revelation and authority, the		
	Torah, the Psalms, the Gospel, the Scrolls of Abraham and their authority		
16.01.24	Understand different forms of worship for Christians, including liturgical, non-		
	liturgical and informal, and how the Bible is used		
	Know about the imamate in Shi'a Islam: its role and significance		
24.01.24	Know about different types of private worship and how prayer is significant to		
	Christians, including the Lord's Prayer, set prayers and informal prayer		
	Understand Muslim attitudes to worship The Five Pillars of Sunni Islam and the		
	Ten Obligatory Acts of Shi'a Islam (students should study the Five Pillars and jihad		
	in both Sunni and Shi'a Islam and the additional duties of Shi'a Islam)		
30.01.24	Understand the role and meaning of the sacraments, including the meaning of		
	sacrament for Christians, the sacrament of baptism and its significance for		
	Christians, infant and believers' baptism, and different beliefs about infant baptism		
	Understand Shahadah: declaration of faith and its place in Muslim practice		

# RS 'I Can Statements'

Date	'I Can' Statements	Yes	No
06.02.24	Know about the sacrament of Holy Communion/Eucharist and its significance for Christians, including different ways in which it is celebrated and different interpretations of its meaning		
	Understand Salah and its significance: how and why Muslims pray including times, directions, ablution (wudu), movements (rak'ahs) and recitations; salah in the		
	practice of salah in Sunni and Shi'a Islam, and different Muslim views about the importance of prayer		
20.02.24	Understand the role and importance of pilgrimage and celebrations for Christians including: two contrasting examples of Christian pilgrimage: Lourdes and Iona, the		
	celebrations of Christmas and Easter, including their importance for Christians in Great Britain today		
	Understand Sawm: the role and significance of fasting during the month of Ramadan including origins, duties, benefits of fasting, the exceptions and their		
27 02 24	reasons, and the Night of Power, Qur'an 96:1-5. 16 Know about the role of the church in the local and worldwide community:		
27102121	including the role of the Church in the local community, food banks and street pastors		
06.03.24	Understand the place of mission, evangelism and Church growth; including the importance of the worldwide Church, such as working for reconciliation, how		
	Christian churches respond to persecution, the work of one of the following: Catholic Agency For Overseas Development (CAFOD), Christian Aid, Tearfund		
13.03.24	Understand the nature of God - God as omnipotent, loving and just, and the problem of evil and suffering		
20.03.24	Understand the oneness of God and the Trinity: Father, Son and Holy Spirit		
27.03.24	Explain different Christian beliefs about creation including the role of Word and Spirit (John 1:1-3 and Genesis 1:1-3)		
	Understand Zakah: the role and significance of giving alms including origins, how and why it is given, benefits of receipt, Khums in Shi'a Islam		
17.04.24	Understand different Christian beliefs about the afterlife and their importance, including: resurrection and life after death; judgement, heaven and hell.		
24.04.24	Understand Hajj: the role and significance of the pilgrimage to Makkah including origins, how hajj is performed, the actions pilgrims perform at sites including the Ka'aba at Makkah. Mina, Arafat, Muzdalifah and their significance		
06.05.24	Understand Jihad: different understandings of jihad: the meaning and significance of greater and lesser jihad; origins, influence and conditions for the declaration of lesser jihad		
13.05.24	Explain the main Muslim festivals and commemorations and their importance for Muslims in Great Britain today, including the origins and meanings of Id-ul-Adha, Id-ul-Fitr, Ashura		
20.05.24	Understand key beliefs of Islam, including - The six articles of faith in Sunni Islam and five roots in Shi'a Islam, and the key similarities and differences		

# Business 'I Can' Statements

11.09.23I can explain why new business ideas come about1 can explain how new business ideas come about18.09.23I can explain the impact of risk and reward on a business1 can explain the role of business enterprise and the purpose of business25.09.23I can explain the role of an entrepreneur1 can identify and understand customer needs02.10.23I can explain the purpose of market research1 can explain the methods of market research09.10.23I can use different types of market research1 can explain how segmentation is used to target different customers	
I can explain how new business ideas come aboutI18.09.23I can explain the impact of risk and reward on a business I can explain the role of business enterprise and the purpose of businessI25.09.23I can explain the role of an entrepreneur I can identify and understand customer needsI02.10.23I can explain the purpose of market research I can explain the methods of market research I can explain the methods of market research I can explain how segmentation is used to target different customersI	
18.09.23 I can explain the impact of risk and reward on a business I can explain the role of business enterprise and the purpose of business Image: Constant of the purpose of business   25.09.23 I can explain the role of an entrepreneur I can identify and understand customer needs Image: Constant of the purpose of market research   02.10.23 I can explain the purpose of market research I can explain the methods of market research Image: Constant of the purpose of market research   09.10.23 I can use different types of market research I can explain how segmentation is used to target different customers Image: Constant of the purpose of th	
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I can explain how segmentation is used to target different customers	
10.10.22 Learn assess how the compatibility and incompany will import on a hyperbolic sec	
10.10.23   I can assess now the competitive environment will impact on a business	
I can explain how aims and objectives differ	
23.10.23 I can calculate revenue, costs and profit	
I can calculate interest	
06.11.23 I can draw and interpret break even graphs	
I can assess the importance of cash to a business	
13.11.23 I can calculate cash-flow	
I can explain and assess the different methods of finance for a business	
20.11.23 I can describe the different types of ownership	
I can assess the most appropriate type of ownership	
27.11.23 I can explain and assess the different factors that influence a location decision	
I can assess the different elements of the marketing mix	
04.12.23 I can assess the impact of technology onto business	
I can assess the role and importance of a business plan	
11.12.23 I can explain what a stakeholder is and how it has influence	
I can explain the different types of technology in business	
01.01.24 I can explain and assess the ways in which technology influence business	
I can explain and asses the ways in which the economy influence business – Unemployment,	
income and inflation	
08.01.03 I can explain and asses the ways in which the economy influence business – interest rates,	
taxation and exchange rates	
15.01.24 I can explain and assess the ways in which external influences impact on a business	
I can assess the different methods of growth and their impact	
I can assess the different sources of finance	
22.01.24 I can explain the different types of business aims and objectives	
I can assess the impact of globalisation onto a business	
29.01.24 I can assess how ethical considerations impact on a business	
I can explain the sections of the design mix	
05.02.24 I can explain and assess the different pricing strategies	
I can explain how promotion is used as assess when it is appropriate to use different types	
12.02.24 I can explain the different methods of distribution	
19.02.24 I can assess how each element of the marketing mix can influence the other elements	
I can explain the different production processes and assess the impact of technology on	
production	
04.03.24 I can interpret bar gate stock graphs and the role of suppliers and how they impact on a	
business	
I can explain and assess the importance of quality	
11.03.24 I can explain the sales process	

#### Business 'I Can' Statement

Date	'I Can' statements	Yes	No
18.03.24	I can calculate and interpret gross and net profit, gross and net profit margin and ARR		
08.04.24	I can use quantitative data to support, inform and justify business decisions.		
15.04.24	I can explain the different types of organisation structure		
22.04.24	I can explain and assess the different types of working		
29.04.24	I can explain and assess the different types of job roles and responsibilities		
06.05.24	I can explain and assess the different types of training		
13.05.24	I can explain and assess the different methods of motivation		
20.05.24	I can explain good leadership in different business situations		

# Psychology 'I Can' Statements

Date	'I Can' statements	Yes	No
11.09.23	I can give a definition of independent and dependent variable and know how they can be		
40.00.00	manipulated.		
18.09.23	I can explain co-variables and how they can be measured.		
25.09.23	I can explain extraneous variables and how they can be controlled, including the use of		
02 10 23	I can identify different types of interviews and explain their strength and weaknesses		
02.10.23	I can identify what is a "Case Study"		
16 10 22	Lean ovelain the strength and weakness of the sace studies		
10.10.23			
23.10.23	I can explain what Descriptive Statistics is		
06 11 23	I can explain the ineasures of central rendency		
13 11 23	Inderstand criminality through social learning		
20 11 22	Explain how criminality can be explained by biological explanations		
20.11.23	Describe nersonality types		
27.11.25	Evaluate strengths and weaknesses of personality theory as an evaluation of sriminality		
04.12.23	Evaluate strengths and weathersets of personality theory as an explanation of criminality		
11.12.23	Explain types of punishments for offenders		
01.01.24	Explain two treatments used to rehabilitate and reduce criminal and antisocial behaviour and increase prosocial behaviour		
08.01.03	Evaluate treatments relating to offences and criminality		
15.01.24	Describe and evaluate Psychological studies including Bandura, Ross and Ross (1961)		
22.01.24	Describe and evaluate Psychological studies including Bandura, Ross and Ross (1961)		
29.01.24	Explain the features, functions and benefits of sleep		
05.02.24	Describe the four stages of sleep		
12.02.24	Explain the sleep cycle		
19.02.24	Give strengths and weaknesses of the sleep cycle explanations		
04.03.24	Explain bodily rhythms of sleep including circadian and ultradian		
11.03.24	Describe hormone function including pineal gland, and melatonin, Understand Zeitgebers,		
	including light in relation to the sleep-wake cycle		
18.03.24	Explain sleep disorders including insomnia		
08.04.24	Describe and evaluate Freud's theory of how dreams access the unconscious		
15.04.24	Explain the manifest and latent content of dreams and dream work		
22.04.24	Describe activation synthesis theory and evaluate		
29.04.24	Describe and evaluate the study 'Little Hans'		
06.05.24	Describe and evaluate the study Siffre – Six months alone in a cave		
13.05.24	Relate my learning to exam knowledge and content		
20.05.24	Evaluate my exam performance in readiness for the GCSE exams		

# Art and Design 'I Can Statements'

Date	'I Can' statements	Yes	No
	AO1 - Develop		
11.09.23 18.09.23	Demonstrate independent critical investigation and in-depth understanding of our sources to develop ideas convincingly.		
25.09.23 02.10.23 09.10.23 16.10.23	Demonstrate competent critical investigation and understanding of sources to develop ideas coherently.		
23.10.23 06.11.23 13.11.23 20.11.23	Demonstrate limited critical investigation and understanding of sources to develop ideas simply.		
	AO2 - Refine		
27.11.23 04.12.23 11.12.23 01.01.24	Effectively apply a wide range of creative and technical skills, experimentation and innovation to develop and refine work.		
08.01.24 15.01.24 22.01.24 29.01.24	Apply a range of creative and technical skills and some experimentation and innovation to develop and refine work.		
05.02.24 12.02.24 19.02.24 04.03.24	Apply basic creative and technical skills to limited experimentation and innovation.		
	AO3 - Record		
11.03.24 18.03.24 25.03.24 01.04.24	Record and use perceptive insights and observations with well-considered influences on ideas.		
08.04.24 15.04.24 22.04.24 29.04.24	Record and use clear observations to influence ideas.		
06.05.24 13.05.24 20.05.24	Record my thoughts to evaluate and appraise my own and other's work		

#### Sport Btec 'I Can' Statements

Date	'I Can' statements	Yes	No
11.09.23	Identify a number of sports and physical activity.		
18.09.23	Understand the difference between physical fitness and skill related fitness.		
25.09.23	Identify appropriate training methods to develop both physical and skill related fitness.		
02.10.23	Apply appropriate training techniques to develop specific needs.		
09.10.23	Analysis of data to inform training programmes to help improve specific components of fitness.		
16.10.23	Select appropriate concepts and make recommendations to improve a person's physical and skill related fitness.		
23.10.23	Make judgements about the consequences of effective and ineffective application of techniques, providing solutions, plans and training programmes to improve.		
06.11.23	Compare training methods and approaches. Such as principles of training.		
13.11.23	Use appropriate key words when writing in depth about principles of training and other training		
20.11.23	Explain the components of fitness and how they can be improved.		
27.11.23	Describe the importance of components of fitness when identifying areas for improvement.		
04.12.23	Understand exercise intensity.		
11.12.23	Measure exercise intensity.		
01.01.24	Identify the basics principles of training (FITT).		
08.01.03	Understand the way principles of training (FITT) can impact training programmes.		
15.01.24	Identify and explain additional principles of training, including, progressive overload, adaptation etc.		
22.01.24	Use and set up equipment safely.		
29.01.24	Identify and use the correct training techniques required to improve.		
05.02.24	Explain the requirements for undertaking the fitness training method selected, including warm up and cool down.		
12.02.24	Link each fitness training method to the associated health-related/skill-related component of fitness.		
19.02.24	Highlight advantages and disadvantages for each fitness training method.		
04.03.24	Apply the correct exercise intensity to training methods.		
11.03.24	Change fitness training methods for given situations. Such as client goals/needs		
18.03.24	Identify the appropriate training methods for the following needs; flexibility, strength, muscular endurance and training power, aerobic endurance and speed training,		
08.04.24	Take part in fitness testing to identify areas for improvement.		
15.04.24	Apply the correct training method to improve both health-related and skill-related fitness.		
22.04.24	Be able to safely perform elements from each training method, including the safe use of weights, and circuit training.		
29.04.24	List and explain aerobic endurance training methods.		
06.05.24	Identify speed training techniques and how to complete them.		
13.05.24	Understand the importance of recovering within a training programme.		
20.05.24	Explain how muscles can recover from strains, tears and other injuries		

# PE 'I Can Statements'

Date	'I Can' statements	Yes	No
11.09.23	Talk about differences between my own and others performance and suggest		
18.09.23	improvements		
25.09.23	Apply suitable actions, which are appropriate to the task set.		
02.10.23	See how my work is similar to and different to others.		
09.10.23	Use this understanding to improve my performance		
16.10.23	Compare and comment on skills and techniques.		
23.10.23	Analyse ideas used in my own and others work and use this understanding to		
06.11.23	improve performance		
13.11.23	Analyse and comment on skills and techniques and how they are applied in my		
20.11.23	own and others work.		
27.11.23	Analyse compositional aspects of performance and suggest ways to improve		
04.12.23	Analyse and comment on how skills, techniques and ideas can be used in my own		
11.12.23	and others work.		
01.01.24	Analyse a performance and suggest ways to improve it.		
08.01.24	Organise and officiate small sided games in different sports		
15.01.24	Officiate small sided games in at least 3 sports		
22.01.24	Organise, coach and/or choreograph confidently using a good level of		
29.01.24	communication.		
20.02.24	Analyse and comment on my own and others' work either as an individual or as		
05.02.24	part of a team		
12.02.24	Plan ways to improve my own and others performance		
19.02.24	Evaluate my own and others' work using ICT as a tool.		
04.03.24	Show that I understand the impact of skills, strategy, tactics and fitness on the		
11.03.24	quality of performance.		
18.03.24	Evaluate the impact of a skills drill or training routine on performance		
08.04.24			
15.04.24	Explain the rules of a specified sport / team game		
22.04.24			
29.04.24	Understand the difference between rules and etiquette in a team sport		
06.05.24			
13.05.24	Understand why respect for opponents and the officials is a crucial aspect in sport		
20.05.24			

#### Food 'I Can Statements'

Date	'I Can' statements	Yes	No
11.09.23	Understand the importance of health & safety in the food room		
18.09.23	Give some basic rules about hygiene when handling food		
25.09.23	Demonstrate hygiene and safety whilst working in the food room		
02.10.23	Read and interpret a recipe		
09.10.23	Know the principle method of cooking		
16.10.23	Use different methods of cooking		
23.10.23	Know the main food commodities		
30.10.23	Understand different categories of foods		
06.11.23	Understand nutrients in different food types		
13.11.23	know about the different types of kitchen equipment		
20.11.23	Identify different types of kitchen equipment (hand held & other)		
27.11.23	Understand and demonstrate how to safely use different types of kitchen equipment.		
04.12.23	Be able to prepare, cook and present simple dishes.		
11.12.23	How to store different foods		
18.12.24	Understand which storage methods can be used for which food types.		
08.01.24	Explore other methods of food storage e.g. tin foil		
15.01.24	Know where the main commodities can be obtained		
22.01.24	Identify different types of food suppliers		
29.01.24	Analyse the benefits of different suppliers		
05.02.24	Be able to use cooking skills to make home-cooked food that does not use pre-prepared, ready-cooked food		
12.02.24	Select and prepare ingredients for a recipe		
19.02.24	Use cooking skills when following a recipe		
04.03.24	Demonstrate food safety and hygiene throughout the preparation and cooking process		
11.03.24	Understand the value of passing on information about home cooking		
18.03.24	Reflect on own learning about the value of gaining cooking skills		
08.04.24	Identify ways to pass on information about home cooking		
15.04.24	Demonstrate an understanding of the hospitality industry		
22.04.24	Prepare, cook and present a 3 course meal		
29.04.24	Prepare nutritional drinks and smoothies		
06.05.24	Prepare, cook and present soup.		
13.05.24	Prepare, cook and present pizza		
20.05.24	Prepare, cook and present jacket potatoes		

# DT 'I Can Statements'

Date	'I Can' statements	Yes	No
11.09.23	Carry out a risk assessment		
18.09.23	Explain the function of PPE		
25.09.23	Use tools and machinery safely		
02.10.23	Identify specialised tools and explain their uses		
09.10.23	Identify potential hazards in a workshop		
16.10.23	Explain the importance of working safely in the D & T workshop		
23.10.23	Give reasons for making a prototype		
30.10.23	Identify positive impacts of emerging technologies		
06.11.23	Identify negative impacts of emerging technology		
13.11.23	Describe the term market pull		
20.11.23	Describe the term technology push		
27.11.23	Explain automated manufacture		
04.12.23	Understand the impact of consumer choice on product design		
11.12.23	Explain the concept of product life cycle		
18.12.24	Explain what mass production means		
08.01.24	Explain what automated production is		
15.01.24	Analyse the impact of new technology within production impact industries and enterprise		
22.01.24	Analyse the impact new technology and products have on the environment.		
29.01.24	Discuss how products can be produced in a sustainable manor		
05.02.24	Explain what is meant by sustainability		
12.02.24	Explain how technological developments can help our understanding of different cultures and societies		
19.02.24	Explain why It is important that companies think morally and ethically about the production of goods.		
04.03.24	Highlight the positives and negatives of some of the ways companies provide energy for their factories and products		
11.03.24	Describe energy sources available to us and classify these into non-renewable and renewable sources		
18.03.24	Give examples of fossil fuels and their uses		
08.04.24	Give examples of environmental impacts from using fossil fuels		
15.04.24	Describe the impact of greenhouse gasses on the environment		
22.04.24	Analyse the use of CAD and CAM in design & technology highlighting its importance, and		
	discuss projects that use CAM and CAD confidently.		
29.04.24	Describe the advantages of CAD and CAM		
06.05.24	Describe the disadvantages of CAD and CAM		
13.05.24	Evaluate my prototype designs to enable improvements to be identified		
20.05.24	Explain how production lines and automation processes work		