

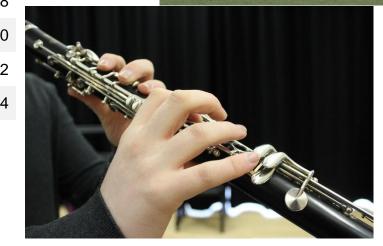
Year 9 Curriculum overviews

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Curriculum overview

Department: Art Year Group: 9

AUTUMN		SPI	RING	SUMMER		
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6	
Theme / Topic Lettering	Theme / Topic Continue Lettering	Theme / Topic Collage	Theme / Topic Collage	Theme / Topic Fruit and Vegetables	Theme / Topic Fruit and Vegetables	
By the end of this half term p Work of the artist	upils will know <i>(key knowledge)</i> ➤ How to create flat	, <i>including tier</i> 3 <i>vocabulary</i>)	Broaden knowledge	Work of the artists	A broadened	
 Paul Peter Piech An understanding of what graphic lettering is Design development skills Shading skills using coloured pencils and 	 and three- dimensional lettering The importance of good composition and layout 	 Peter Clark What collage is How to use tone, shading, and mark- making to do an observational drawing of a fish Composition 	 of artist Peter Clark How to translate an artwork from a pencil drawing to a collage using found and printed papers Keeping a sketchbook 	Michael Craig- Martin, Banca De Frutas, Lotta Kuhlhorn, Helen Dardik, and Dekanimal Art How to work successfully in a	 understanding of the relevant artist How to work successfully in a variety of media including pencil, coloured pencil, and crayon 	
felt tips ➤ Keeping a sketchbook	 Tone Line Scale Composition font typography 	 Keeping a sketchbook <i>Tier 3 vocab</i> Tone, 	Tier 3 vocab → Tone, → shading → mark-making → collage	 variety of media including pencil, coloured pencil, and crayon Keeping a sketchbook 	 <i>Tier 3 vocab</i> ➢ Observational drawing ➢ coloured pencil ➢ crayon 	
 <i>Tier 3 vocab</i> ≻ Tone > Line > Scale > Composition > font > typography > graphic design 	 graphic design 	 shading mark-making collage texture relief paper folding layout composition 	 texture relief paper folding layout composition 	 Tier 3 vocab Observational drawing coloured pencil crayon tone shading graphic flat colour 	 tone shading graphic flat colour 	

They will understand (key co	ncepts)				
 the work of artist and printmaker Paul Peter Piech layout and composition skills and how they are used in related industries 	 The importance of good composition and layout How visual art can be used to communicate 	 What makes an effective drawing collage and how artists use it in different ways How to create an effective artist research page. 	How layering and folding of papers can be used to create a successful collage	 How to create an effective observational drawing? What is meant by positive and negative space? Contemporary illustrations. 	 How to create a painting in the style of Michael Craig Martin How fruit and vegetables can be used to practice layout, composition, and observational skills
They will know how to (key s		I			1
 To develop skills in: Researching the work of artists and designers and making links to their own work How to create an artist research page/sheet Application of colour using felt tips Composition Keeping a sketchbook Written analysis 	 Evaluating their own work and that of others Lettering – drawing, creating, imagination, appropriateness of. Composition Keeping a sketchbook 	 Use pencil to complete an accurate observational drawing of a fish To gain a knowledge of the work of artists such as Peter Clarke To develop skills in evaluating their own work and that of others. 	 To develop skills in composition, mixed media and collage To develop skills in evaluating their own work and that of others. 	 Research the work of artists and designers and make links to their own work create an artist research page/sheet Use Observation drawing and create tone using pencil and coloured pencil Apply colour using paint, pastels and pencils. Composition Keep a sketchbook Write analysis Evaluate their own work and that of others 	 Apply colour using paint, pastels and pencils. Composition Keep a sketchbook Write analysis Evaluate their own work and that of others



Curriculum overview

Department: Biology Year Group: 9

Autumn			Spring		Summer
Cell structure (9 lessons)	Cell divis (4 lessor	-	Transport in cells (7 lessons)	0	rganisation in animals (16 lessons)
Use a light microscope to observe cells, make an accurate drawing and calculate magnification.	Recognise, d interpret diag mitosis	rams of	Investigate osmosis by measuring the how the mass of plant tissue changes in a range of concentrations of salt or sugar solutions.		nultiple food tests to determine I groups are present in samples of food.
By the end of this topic pupils will know (key	knowledge, including	tier 3 vocabulary)			
 There are two different types of microscopes that scientists use to observe cells, called light microscopes and electron microscopes. All cells can be categorised into prokaryotes and eukaryotes, each with different organelles. Prokaryotic cells do not have a nucleus, Eukaryotic cells have a nucleus and include plant and animal cells. Keywords Resolving power Nucleus Cytoplasm Cell membrane Mitochondria Ribosomes Cell wall Chloroplasts Chlorophyll Permanent vacuole Prokaryotic cells 	 Body cells prodidentical copies themselves three process called Mitosis is part of cycle, before midentical daugh produces a copies organelles. Undifferentiate called stem celies differentiate interproduces a copies organelles. Undifferentiate called stem celies differentiate interproduces a copies organelles. Cell cycle Mitosis Differentiate Stem cell Zygote 	duce s of ough a mitosis. of the cell haking two hter cells, it by of all and d cells are lls, these to ls and are particular	 Particles move in and out of cells by a process called diffusion. Diffusion is the movement of particles from a high concentration to a low concentration. Water moves in and out of cells by a process called osmosis. Osmosis is the movement of water from a high concentration to a low concentration across a partially permeable membrane. Active transport moves particles from a low concentration. It requires energy. This happens in root hair cells and in the human digestive system. Keywords Diffusion Partially permeable membrane Osmosis Isotonic Hypertonic Turgor 	 organs a The dige which co Enzymes break do system. The circu that com lungs and 	s od cells ood cells

Autumn			Spring			Summer
Cell structure (9 lessons) Use a light microscope to observe	Cell div (4 less Recognise,	ons)	Transport in cells (7 lessons) Investigate osmosis by measuring		Organisation in animals (16 lessons)	
cells, make an accurate drawing and calculate magnification.	interpret dia mitos	agrams of	the how the mass changes in concentrations of solution	of plant tissue a range of of salt or sugar		multiple food tests to determine d groups are present in samples of food.
They will understand (key concepts)						
 How to calculate total magnification. How to compare prokaryotic and eukaryotic cells. How to describe the function of specialised animal cells. 	 where mitosis How to description importance or differentiation multicellular or How to list so 	f cell n in organisms. ome or and against em cells and use of stem	 How to list the factors of diffusion and explai affects the rate of diffu- How to compare the s differences between o and active transport. 	n why surface area ision. imilarities and smosis, diffusion	 and organ and block How to a intestine How to a digestion How to a changes 	describe the function of certain organs an systems including the heart, lungs od vessels. explain in detail how the small a is adapted to its function. describe how enzymes are used in n. explain why high temperatures and s in pH prevent enzymes from ng reactions.
They will know how to <i>(key skills)</i>						
 Prepare a microscope slide. Use a light microscope to observe, draw, and label a selection of plant and animal cells and include a scaled magnification. Calculate magnification and show the answer in standard form. Draw a scientific drawing of a root hair cell observed using a light microscope. 	 Recognise, d interpret diag mitosis. Outline a sim argument ab and wrongs o potential use cells. Interpret data cells, use this communicate constructed a 	a on stem s to verbally e well-	 effect of salt or sugar stissue, including necessafety precautions. Use ratios, fractions a Calculate the surface ratio of a cube. 	solutions on plant ssary health and nd percentages. area to volume	 theory to Carry ou and safe Design a from foc 	diagram showing the lock and key o explain enzyme function. ut multiple food tests in an organised e manner. a results table to clearly record results of tests. he graph.



Curriculum overview

Department: Chemistry Year Group: 9

Autumn		Spring		Summer
Atomic structure (6 lessons)	Periodic table (6 lessons)	Analysis (5 lessons)	Atmosphere (5 lessons)	Acids and pH (7 lessons)
Use a model of the atom to	Explain the properties and	Use a range of separation	Examine the evidence	Devise a method to prepare
represent the electronic	reactions of elements in	techniques to analysis the	behind theories on the	a pure dry sample of a salt.
structures of the first 20	terms of their electronic	chemical composition of	evolution of the Earth's	
elements	structure	mixtures and formulations	atmosphere	
By the end of this topic pupils will k	now (key knowledge, including tier 3	vocabulary)		
 Atoms of elements and their isotopes are made up of differing numbers of three kinds of sub-atomic particle. State symbols for chemical equations. Mixtures can be separated by physical processes such as filtration, crystallisation, simple distillation, and chromatography. Different models of the atom through history, and the key discoveries led to their development. 	 The periodic table lists elements in order of their atomic number and groups elements with similar properties. The reactions of alkali meta with oxygen, chlorine, and water. The nature of compounds formed when bromine, chlorine, and iodine react with metals and non-metals The general properties of transition elements. 	 The difference between a mixture and a formulation. Chromatograms can be analysed quantitatively to identify compounds. 	 The Earth's early atmosphere was influenced by volcanic activity. The composition of the atmosphere has evolved over time. Human activity is now affecting the composition of the atmosphere. The greenhouse effect and its effect on Earth's climate The effect of common pollutants including carbon monoxide, nitrogen oxides, and particulates. 	 Acids are neutralised by alkalis, bases, (and metal carbonates) to produce salts, water (and carbon dioxide). The chemical formula of common ions. The pH values associated with aqueous solutions of
 Keywords nucleus protons / neutrons / electrons isotopes atomic number mass number aqueous 	 Keywords Noble gas transition element alkali metal reactive halogen displacement shielding 	 chromatogram retention factor 	 Keywords photosynthesis fossil greenhouse gas carbon footprint (in)complete combustion global dimming 	 reactivity series neutralisation salt insoluble base neutral carbonate pH scale

Autumn	Autumn Spring			Summer
Atomic structure (6 lessons) Use a model of the atom to represent the electronic structures of the first 20	Periodic table (6 lessons) Explain the properties and reactions of elements in terms of their electronic	Analysis (5 lessons) Use a range of separation techniques to analysis the chemical composition of	Atmosphere (5 lessons) Examine the evidence behind theories on the evolution of the Earth's	Acids and pH (7 lessons) Devise a method to prepare a pure dry sample of a salt.
elements	structure	mixtures and formulations	atmosphere	
 They will understand (key concepts) Why mass is conserved in a chemical reaction. How to use chemical symbols of atoms to write chemical formulae. How to explain the main processes occurring in paper chromatography and other separation techniques. Why the model of the atom has changed over time. How to use numbers and diagrams to represent the 	 Why the ordering of the elements in the periodic table has changed over time How to use the periodic table to make predictions about the electronic structure and reactions of elements. How the properties and reactions of elements depends on their electronic structures. How a more reactive element can displace a less 		 Why the Earth's atmosphere has changed over time. How to use word and symbol equations to show how gases in the atmosphere were formed. How to evaluate the negative social, economic, and environmental consequences of different types of atmospheric pollution. 	 How to derive a reactivity series from experimental results and use this to make predictions. How to identify the chemical formula of the salt produced from the reaction between an acid and a metal. How pH relates to the H⁺ ion concentration. How the reaction between ammonia and dilute acids to produce salts of importance
 electronic structures of atoms and ions. They will know how to (key skills) Write balanced symbol equations for chemical reactions. Use separation techniques such as filtration, distillation, and paper chromatography to separate mixtures. Recognise and use expressions in standard form. Make estimates of the results of simple calculations. 	 Write word equations for chemical reactions. Write balanced symbol equations for chemical reactions. Write balanced symbol equations for chemical reactions. Safely observe chemical reactions and draw conclusions from their observations. Draw and interpret graphs and tables of properties of the elements (e.g. melting points, boiling points, density). 	 Safely use a range of equipment to purify and/or separate chemical mixtures including chromatography. Interpret a chromatogram to identify unknown substances. Use ratios, fractions, and percentages. How to describe a method to produce a chromatogram. 	 Write word equations for chemical reactions. Write balanced symbol equations for chemical reactions. Evaluate the quality of evidence. 	 Write balanced symbol equations, with state symbols. Follow a method to prepare a pure, dry sample of a soluble salt from an insoluble substance and a dilute acid. Interpret the pH scale in terms of the changes in order of magnitude between each value.

1613				Department: Computer Science Year Group: 9		
AUTI	UMN	SPR	RING		SUMMER	
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6	
Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	
App development	Thinking like a Computer Scientist - Intermediate	Python 101	Data representatior & Boolean Logic	Cyber Security	Data Science & Digital wellbeing	
By the end of this half ter	m pupils will know (key k	nowledge, including tier	3 vocabulary):			
App Development – You will design, develop and create an app for an end user.	Learn to how to think like a Computer Scientist, developing computational thinking approaches; which you can apply across a variety of subjects to become a logical & analytical thinker. You will study existing algorithms and problem solving techniques which govern many aspects of your digital life & begin to evaluate their efficiency. Tier 3 Vocabulary • Abstraction • Decomposition	You will put your problem solving techniques to the test designing, creating & testing Python programs which solve real work problems. Tier 3 Vocabulary • Variable • Count controlled loop • Condition controlled loop • Sequence • Selection • Translator • Interpreter • Syntax • Logic	You will learn how data is represented within your computer at a fundamental level. Tier 3 Vocabulary • Logic gate • Transistor • Binary • Not • And • Or	You will learn about cyber security threats, the legal and ethical consequences of cyber attacks and how they can be mitigated. Tier 3 Vocabulary • Anti malware • Virus • Trojan • DDOS • Pen Testing • Brute force • Phishing • Hacker • Firewall	You will look how "big data" is used to predict outcomes and how you can look after your own digital wellbeing. Tier 3 Vocabulary Digital footprint Cookie Al Machine learning Botnet Reliability Validity	

	Pattern recognitionAlgorithm	 Comparison operator Assignment 		EncryptionSQL injection	
They will understand (key	concepts):				
The impact of user interface design on the usability of apps. The application of computational thinking approaches in coding a mobile app.	Abstraction, decomposition, pattern recognition and algorithmic thinking.	How to create text based coding solutions to small problems that make use of sequence selection and iteration. The importance of data types and their application in programming.	Why Computers represent data as binary and how to convert between number bases. How images, videos and sound are stored by a Computer.	Learn about the cyberthreats posed to a network, followed and an exploration of some common methods of defending the network against attacks. Know about the available career choices in cyber defence.	Why our data is valuable to others and why it is important to keep it safe. What data companies, such as social media platforms, collect about us and what they use it for. How the law tries to keep our data safe
They will know how to (keeping the second s	ey skills including speakin	g, reading and writing ir	this subject):		
	I can solve simple problems using brute force techniques. I can solve simple problems using trial and error to learn from mistakes. I know an algorithm is a set of steps used to complete a task can be represented as flow charts or as a list of instructions.	I can create code, which run in a sequence. I can create code which makes allows user input and stores this in a variable. I can define the term variable. I can create scripts, which make use of	I understand computers consist of transistors. I understand electrical signals that pass through transistors can are represented in binary as a 1 or 0.I can convert denary/decimal into 4 bit binary.		I can create code, which run in a sequence. I can create code which makes allows user input and stores this in a variable. I can define the term variable. I can create scripts, which make use of iteration to make my coding more efficient.

I	Live out the are are	iteration to make my		Leon erecto concible veriable remo
	I know there are	iteration to make my	I can convert 4 bit	I can create sensible variable names
	several algorithms that	coding more efficient.	binary into	and use them to store data for later
	may solve the same	I can create sensible	denary/decimal. I	use in a program.
	problem.	variable names and	can convert	I can define the data types strings,
	I know some		denary/decimal into	
	algorithms are more	use them to store	8 bit binary. I can	integers and real numbers.
	efficient than others.	data for later use in a	convert 8 bit binary	I can predict program output when
	I can define the term	program.	into denary/decimal.	given basic code examples
	decomposition. I can define the term	I can define the data	5	g. c. sadio coao sharipido
			I understand how a	I can systematically test my program
	pattern recognition.	types strings,	bit map is	to eliminate bugs and show it is
	I can define the term	integers and real	represented.	robust.
	abstraction. I can define the term	numbers.		
		I can predict program	I can calculate the	I can create programs, which handle
	algorithmic thinking.	output when given	size of a bit map file.	strings, integers and real numbers.
	I can systematically test solutions to	basic code examples	I understand how	
	problems to make sure	basic coue examples	sound is	I can use operators such as >, = & <
	l am right.	I can systematically		to make comparisons between
	I am right. I know the difference	test my program to	represented.	variables and user input within my
	between "brute force"	eliminate bugs and	I can calculate the	programs.
	& "divide & conquer".	show it is robust.	file size of a sound	I can use selective statements within
	l can use		file.	
	decomposition to	I can create		programs which tests multiple criteria
	break problems down	programs, which	I can covert	is met before code is run.
	into smaller parts &	handle strings,	Hexadecimal number	I can create programs which join
	make them easier to	integers and real	into denary/decimal.	operators with Boolean logic such as
	solve.	numbers.	-	AND, OR and NOT.
	I can use abstraction		I know logic gates	
	to remove	I can use operators	allow electrical	I know the difference between a
	unnecessary detail	such as >, = & < to	signals to be	count controlled and condition
	from a problem and	make comparisons	manipulated in order	controlled loop and can select the
	make it easier to solve.	between variables	to perform	appropriate one for a given problem.
	I can use algorithmic	and user input within	calculations.	
	thinking to come up	my programs.		I can use abstraction, decomposition
	with a set of steps to	,	I can draw the	& pattern recognition to design and
	solve a problem.	I can use selective	diagram for three	code my own solutions to simple
	I can use all of the	statements within	logic gates, AND, OR	problems.
	correct symbols of a	programs which tests	and NOT.	·
	flow chart to represent	multiple criteria is	·	
	the solution to a	•	I can complete the	
	problem.		truth tables for the	
	•		1	

to represent solutions to problems I am able to apply computational thinking techniques to new problems and across subjects. I can calculate best & worst case scenario comparisons. I can compare algorithm efficiency using Big O notation.	met before code is run. I can create programs which join operators with Boolean logic such as AND, OR and NOT. I know the difference between a count controlled and condition controlled loop and can select the appropriate one for a given problem. I can use abstraction, decomposition & pattern recognition to design and code my own solutions to simple problems. I can use complex data structures such as arrays to store multiple pieces of data under one heading. I can make use of	logic gates, AND, OR and NOT. I s for the logic gates, AND, OR and NOT.		I can use complex data structures such as arrays to store multiple pieces of data under one heading. I can make use of subprograms within my code to make it more efficient.
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Rotation 1		Rotation 2		Rotation 3					
Half term 1	Half term 2	Half term 3	Half term 3 Half term 4		Half term 6				
Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:				
Passive Amp	Passive Amp	Sweet Dispenser	Sweet dispenser	Food Tech	Food Tech				
By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary):									
 Workshop Safety Specification Accurate measurir Sound waves (link Mood board Product Analysis Wood Research CAD – 2D Design Finishes Evaluation 		 Sustainability Marking out tools Forming of materials Labelling of designs Third Angle orthographic drawings Marking out tools Use of jigs and moulds Using CAD (2D design and Tinker Cad) Tolerance and Accuracy Quality control and Quality Assurance Graphic design 		 The importance of food hygiene and food safety The functions and food sources of nutrients-including excess and deficiencies A variety of special diets-allergies and intolerances The role of an Environmental Health Officer Jobs roles and contracts in the industry Cooking methods Environmental factors to consider in the 					
Practical skills:				industry					
 Marking out Use of hand tools Use of drill Use of CAM (laser Application of finis 		 Practical skills: Marking out tools Use of CAM (laser cutter) Use of drill - hole cutter Use of adhesives – different materials Use of hand tools 		 Practical skills: Development of knife skills How to work with high risk foods Using a temperature probe Bread making 					
Tier 3 Vocabulary:>Amplification		Tier 3 Vocabulary:		 Pastry making Sauce making 	J				
 Jig Aesthetics Client Pillar drill Coping saw 		 Forming Plan view Dimensions Sustainability Adhesives 		Tier 3 Vocabulary: > Hygiene > Bridge techniq > Claw techniqu	•				

 Flat file Round file Half-round file Etch 1-Point perspective 2-point perspective 	 Aesthetics Mechanism Orthographic 	 Nutrient Protein Carbohydrate Fat Vitamin A,B,C,D Mineral- Iron, Calcium Fibre Hydration Seasonality
They will understand (key concepts):		 Food miles Allergies Intolerances Excess and deficiencies Environmental Health Officer
 Assessment and testing of different shapes to analyse what makes sound channels in a passive amplifier successful. The need for accurate measuring and tolerance in manufacture Understanding what different finishes can be applied to a product and whether they are for function or aesthetics To be able to evaluate a finished product with strengths and weaknesses 	 Different mechanisms How to design more sustainable How to use a jig to increase accuracy How to join different materials How industry use orthographic drawings to aid manufacture 	 The functions and food sources of nutrients and the impact of missing nutrients out of the diet How to adapt meals to suit dietary needs Understand the role of an environmental health officer Understand some job roles in the industry and their day-to-day duties Types of cooking methods and how they can impact the nutritional value of dishes The 3 R's and how they could be used to ensure the industry has less impact on the environment The benefits of seasonal and local produce and how water and energy can be saved in the shopping, preparing, and cooking process
They will know how to (key skills including speaking,		
 How to complete investigation and testing as a part of research and development How to accurately measure and mark out with tolerance How to calculate tolerance How to apply different finishes to achieve a high quality product 	 Presentation of finished products Understand copyright Different industry methods to ensure quality How to draw accurately from different viewpoints to aid manufacture 	 Read recipes Make a complete dish using a variety of skills Suggest adaptions to dishes for a variety of dietary needs How to apply healthier cooking methods for dishes

 How to reduce the impact to the environment when shopping, preparing and
cooking dishes



Curriculum overview

skills against a

Department: Drama Year Group: 9

Melodrama

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skills and those of

AUTUMN SPRING SUMMER Half term 1 Half term 2 Half term 3 Half term 4 Half term 5 Half term 6 **Physical Theatre** Devising Medieval Drama. Theatre in Education **Romeo & Juliet** Mask Careers in the drama (TIE) Shakespeare industrv Macbeth By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) Know what is meant The importance of \geq What physical \triangleright How to create a \triangleright About the main \triangleright \geq The main plot, theme \geq and characters of the focus and clocking theatre is and how to performance from a developments in by the term Theatre apply the skills learnt stimulus and be able Drama during the in Education (T.I.E). plav Romeo & Juliet. the audience. to a performance. to perform and medieval times. \triangleright To understand what \geq They will look at how \triangleright Basic rules and \geq The differences evaluate their own \triangleright Popular theatrical a target audience is the text can be conventions of between Naturalistic and dramatic work and that of genres prevalent translated into wearing a mask. and Non-Naturalistic during this period in performance and the \geq Appreciation of the their peers. message are. theatre. \geq Concept of physical history. Including how to language historical context of adapt and tailor their \triangleright How to work in a theatre as a stylistic \geq Look into religious modernised/understood masks and the physical theatre element to drama, mystery and work to suit this by pupils. nature of Greek \triangleright Understand how to style influenced by performance, with miracle plays, demographic. Chorus. practitioners such as techniques including themes of morality. \triangleright Understand how TIE rehearse a piece of folk drama and can be used as a Frantic Assembly. soundscape, genre, improvised or scripted Tier 3 Vocabulary: style and thought-Drama for a final street theatre set in learning tool, • Clocking the Tier 3 Vocabulary: tracking. including both performance. promenade staging. audience Stimuli research, relevance Spatial awareness . • and delivery of their Tier 3 Vocabulary: Tier 3 Vocabulary: Tier 3 Vocabulary: Choreographer Heightened . Devising process Genre message. Plot Representational . . • movement and Stimulus Prevalent theatre Theme ٠ Gesture gesture Tier 3 Vocabulary: Exploration of Religious drama lambic pentameter Abstract . ٠ Historical context Theatre in Education context. situation. Miracle plays Inflection Expression . Ensemble/chorus . Target audience verbatim, plot, Inquiry Genre Physicality including Emphasis on . ٠ . Audience narrative. • Promenade staging Form Movement gait, movement, . ٠ Stylistic approach to demographic body language. Collaborate Staging formats Characterisation . theatre Communication of Context (historical • including vocal and gesture, posture. Communicate . . Practitioner meaning/message . physical skills. Vocal skills including and social) ٠ meaning influence Research pitch, tone, inflection, • Evaluate use of skills Evaluate use of ٠ Language . Soundscape in Relevance of issue Evaluate use of skills pace, accent. skills against a against a success creation of mood Devising and Subtext – chorus success criteria • against a success • criteria (perceptive and atmosphere. rehearsing criteria (perceptive represents an (perceptive detail). detail). Thought tracking Language emotion/universal Analyse application ٠ detail). Analyse application • . • Evaluate use of Material character. of skills and those of of skills and those of • Analyse application of

others in the

 others in the creation of a performance. Reflect on link to stimulus/group collaboration highlighting areas of strength and improvement. 	 success criteria (perceptive detail). Analyse application of skills and those of others in the creation of a performance. Reflect on link to stimulus/group collaboration highlighting areas of strength and improvement. 	creation of a performance. • Reflect on link to stimulus/group collaboration highlighting areas of strength and improvement.	 Performance conventions Spatial relationships Evaluate use of skills against a success criteria (perceptive detail). Analyse application of skills and those of others in the creation of a performance. Reflect on link to stimulus/group collaboration highlighting areas of strength and improvement. 	others in the creation of a performance. • Reflect on link to stimulus/group collaboration highlighting areas of strength and improvement.	 Evaluate use of skills against a success criteria (perceptive detail). Analyse application of skills and those of others in the creation of a performance. Reflect on link to stimulus/group collaboration highlighting areas of strength and improvement.
They will understand (key co	ncepts) Process involved in	How medieval	How it can be used	> The stylictic features of	Historical relevance
 How elements of Physical Theatre can be used effectively in performance. What Physical Theatre is and how it correlates to performance. How to engage an audience through this style of theatre. How choreography can also be utilised as storytelling. Concept of 'Essence Machines' to explore abstract physical and vocal techniques. 	 Process involved in creating an original piece of Drama from a stimulus. They will explore what a stimulus is and how it can inform practical work in performance. Improvisational skills. Devising process starting with stimulus and ending in a final performance. Develop their skill in devising, performing and evaluating an original piece of drama. 	 theatre has shaped and evolved. The historical context to this time period and how we can reflect this in performance. The different types of plays from this era, including: morality plays, secular drama, Mummers plays. The significance of this era on modern day theatre and performance. 	 How it can be used to target a specific issue or highlight an injustice for a specific target audience. The importance of dramatic message and be able to assess relevance for their target audience. The process involved in creating a TIE piece, eg. Consideration of dramatic message, planning for the target audience, researching the issue, devising and rehearsing resulting in the final performance. 	 The stylistic features of a Shakespearean script and some techniques for decoding the language. Understand the plot and context to fully access the play. Stage fighting and the importance of choreography in the creation of physical sequences. The main themes and issues within the play, such as love, destiny, feuding families. Be able to rehearse and evaluate their own work. 	 Historical relevance of Mask and its roots in Greek Chorus. Character building – experimenting with physicality including 'Centres of Weight' and 'Leading with Body Parts'. How mask can be used as a means of storytelling and communicating with an audience through performance.

They will know how to (key	skills)				
 Devise in the style o Physical Theatre. Be able to review and evaluate their own progress and performance in accordance with a success criteria. Bring a script to life using stylised methods including freeze, movement, body props. Work as a group/ensemble. 	 Apply a range of practical skills and techniques to their own work. Utilise a stimulus as the basis of ideas for a performance. Work collectively with others to respond to their stimulus through performance. 	 Perform their own version of the Nativity in the style of a Medieval Mystery play. Work collaboratively in this style to create performance. This will then be reviewed and evaluated. Plan and rehearse a final performance using the skills and knowledge throughout the scheme of work. 	Be able to apply a range of practical skills and techniques to the work.	 Develop skills in performing script and assessing the Shakespearean language. Students will be able to choreograph a scene using stage combat and sequencing. Evaluate their own work against a set success criteria for this topic, including characterisation, vocal skills and interaction with others on stage. 	 Devise and rehearse a final piece of drama using masks which demonstrates their skills, knowledge and understanding of the topic. Clocking the audience and facing forward, direct address to an audience. Physicality showing status and using mime as a medium for story progression. Create character and circumstance relevant to their performance.



Department: English Year Group: 9

Overarching theme: other worlds

AUTUMN		SPRING			SUMMER	IMER		
Half term 1	Half term 2	Half term 3	Half ter	m 4	Half term 5	Half term 6		
Theme/ topic:	Theme/ topic:	Theme/ topic:		Theme/ topic:	1	Theme/	topic:	
Modern novel	Gothic fiction	Shakespeare: full play	study	19th century no and Punishmer	on-fiction: Crime nt		Modern drama: Noughts and Crosses	
Analytical writing: exploring language and structure	Narrative writing	Writing critical evaluat	ions Writing comparative essays		Creating non-fiction texts Writing critical evaluations			
By the end of this half term	n pupils will know (key kno	wledge, including tier 3 vo	cabulary):					
 Context: social, historical and political Subject terminology for literary techniques Structural devices and language techniques Tier 3 vocabulary: American dream, racism, prejudice, discrimination, ageism, sexism, segregation, migrant worker, meritocracy, symbiotic, setting, pathetic fallacy, figurative language, semantic field, zoomorphism, personification, 	 The conventions of the gothic fiction genre Context: social, historical and political Tier 3 vocabulary: Narrative hook, perspective (narrative, inward, outward), pathetic fallacy, omniscient, supernatural, prophecy, dichotomy, tyranny, anticipation, foreshadowing, foreboding, revelation, withholding, protagonist, 	 Context: social, historic political Moral impact of the pla Terminology for elementanguage, structure and Conventions of play social staging Tier 3 vocabulary: Drama, tragedy, comedy prologue, soliloquy, mortial dialogue, blank verse, in pentameter, sonnet, propoetry, rhyming couplet, relief, dramatic irony, juxtaposition, imagery, fil language, pathetic fallace characterisation, setting, 	y nts of I form ripts and v, form, pologue, mbic se, comic se, comic		udes are ifferent texts ary: address, ality, notive language, os, ethos, logos, ers, perspective, ounter argument, lattery, facts, atives, statistics, erbial phrase, age, simile, onification,	 politic. Mora Mora Term langua Conv stagin Conv types Tier 3 Dystopia (in)equa oppress stage da narrativ inward, widened 	l impact of the play inology for elements of age, structure and form entions of play scripts and	

symbolism, metaphor, simile, characterisation (direct and indirect), pathetic fallacy, setting, action, dialogue, foreshadowing, withholding, revelation, equilibrium, disequilibrium, false equilibrium, focus (shift, widened, narrowed), perspective (narrative, inward and outward)	antagonist, characterisation, setting, action, in media res, dialogue, conspiracy of silence, allusions, figurative language, simile, metaphor, personification, sibilance, tension, suspense, sequence, equilibrium(dis/false), exposition, climax, resolution	foreshadowing, withholding, revelation,		foreshadowing, withholding, revelation, declarative, interrogative, imperative, exclamative, dialogue, theme, context
 They will understand (key Authorial intent. How bias and opinion can be communicated through sub-text Register and the effect on the reader The author's craft: the use of figurative, emotive and rhetorical language The use of specific vocabulary and the connotations of this How to use inference and deduction to explore layers of meaning within a text. How writers structure texts for intended effects 	 The way authors craft their writing The techniques used to develop layers of meaning How writers develop mood and atmosphere How context influences content Effective plan, structure and crafting of narratives 	 How key themes underpin the messages conveyed throughout a play How characters develop over the course of the play The methods used by playwrights to convey meaning The effects of literary techniques, both language and structure. How to evaluate across a whole text How to make a detailed response using key scenes How context influences the decisions surrounding characters, themes, plot and settings. How to respond to a text in a personal and critical style. 	 How attitudes and perspectives are presented through non- fiction The way authors craft transactional writing How texts are structured for effect The nuances of language and how it can be interpreted in different ways 	 How attitudes/perspectives adjust between time periods How different cultures and belief systems influences messages and moral lessons conveyed in texts How to empathise with others' experiences and situations. How authors convey meaning through literary techniques, both language and structure. How to formulate an analytical response using a critical style How inference and deduction can be used to interpret language at sentence and word level

They will know how to (ke	ey skills including speaking	, reading and writing in this subject):		
 Core Skills Analyse writers' techniques – language, including sentence forms Use evidence Analyse quotation Explore connotation and implied meaning Discretionary skills: Vary sentence structures Use effective paragraphing Structure whole texts effectively Apply a range of language techniques 	 Core Skills Apply a range of language techniques Apply a range of structural techniques Vary sentence structures Use ambitious vocabulary Discretionary Skills: Analyse writer's techniques – language Analyse writers' techniques – structure Explain the effect on mood/atmosphere Analyse quotation 	 Core Skills Evaluate overall effectiveness of writer's choices and approaches Analyse writer's techniques – language and structure Analyse the effect on reader/audience Explain effect on mood/atmosphere Discretionary Skills: Use ambitious vocabulary Use ambitious punctuation Vary sentence construction Apply show don't tell techniques when crafting writing 	 Core Skills: Reading Analyse writers' ideas and perspectives Compare writers' methods and approaches Use evidence Analyse quotations Explore effect on reader or audience Explore mood and atmosphere Explore writer's messages Discretionary Skills: Apply a range of literary techniques Structure whole texts effectively Use interesting and engaging material Justify opinions Vary sentence construction 	Core Skills End of year assessment will assess all skills on the yearly pathways. Writing > Use ambitious vocabulary > Use ambitious punctuation > Vary sentence construction > Apply a range of literary techniques > Structure whole texts effectively > Select interesting and engaging material > Develop paragraphing > Justify opinions Reading > Evaluate overall effectiveness of writers' choices and approaches > Analyse writer's techniques – language and structure > Analyse effect on reader/audience > Explore the writer's intentions and messages > Make comparisons across two texts > Compare attitudes and perspectives across texts



Dallam School

Curriculum overview

Department: MFL Year Group: 9 French

AUT	UMN	SI	PRING	SUM	MER
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Theme/ topic: Qui suis-je?	Theme/ topic: Qui suis-je?	Theme/ topic: Le temps de loisirs	Theme/ topic: <i>Le temps de loisirs</i>	Theme/ topic: Jour ordinaires, jours de fête	Theme/ topic: Jour ordinaires, jours de fête
By the end of this half ter	m pupils will know (key kno	wledge, including tier 3 vo	cabulary)	•	
 Family members Personality Physical description Places in town Time phrases Describing friends 	 Friendship Family relationships Going out Question words Who I admire 	 Hobbies Frequency expressions Opinion phrases Films types Buying tickets Sports Technology 	 Internet Reading Music TV Programmes An evening out with friends 	 Food and drink Meals Quantities Clothes Colours Daily Life Buying clothes 	 Shopping online Festivals Special foods Celebrating
They will understand (key	/ concepts)	Γ	1	1	
 Grammar Adjectival agreement The present tense: <i>avoir</i> and <i>être</i> Definite and indefinite articles Prepositions The verb <i>aller</i> The preposition à The present tense: regular -<i>er</i> verbs Adjectival 	 Grammar The near future tense Asking questions The perfect tense Using a combination of tenses Using <i>jouer</i> à and <i>jouer</i> de Using <i>aimer</i>, adorer, préférer and détester Using the correct article 	 Grammar The verb faire depuis + present tense Using the correct preposition after the verbs jouer (au / à la / à l' / aux) and faire (du / de la / de l' / des) 	 Grammar Négatives Comparative adjectives The perfect tense Irregular verbs in the present tense Phonics on (revision): passion silent final consonant (s) (revision): pas nasal sounds an, on (revision): divertiseent 	 Grammar > Saying 'some' using du / de la / de l' / des > Irregular verbs boire and prendre > Adjectives of colour > Modal verbs devoir and pouvoir > quel / quelle / quels / quelles > ce / cet / cette / ces 	 Grammar Asking questions using est-ce que? and qu'est-ce que? The present and near future tenses The perfect and imperfect tenses
agreement: irregular adjectives ➤ Reflexive verbs	 The verb vouloir Phonics h (revision): heure 	 Phonics ➤ ai (revision): fais ➤ silent final ► (revision): j'aime 	 (revision): divertissant, émission n-liaison (revision): mon émission é (revision): mangé 	 Phonics ➢ oi (revision): bois ➢ -eille (revision): bouteille 	Phonics → -gn- (revision): champagne

They will know how to (key skills)			
 Revising family and describing people Revising places in town, activities and times Talking about friends and what makes a good friend Using regular -er verbs in the present tense Talking about family relationships Using reflexive verbs in the present tense Talking about family relationships Using reflexive verbs in the present tense 	 Revising leisure activities Revising films and going to the cinema Talking about sport Using <i>depuis</i> + the present tense Talking about using technology Lising the comparative Talking about using technology More on the perfect tense 	 and meals Discussing clothes and what to wear Describing your daily life Using <i>devoir</i> and <i>pouvoir</i> 	 Describing festivals and traditions Asking questions using est-ce que ? and qu'est-ce que?Talking about shopping for a special meal Using the present and near future tenses Describing family celebrations Using past, present and future tenses



Curriculum overview

Faculty: Humanities Subject: Geography Year Group: 9

AUT	UMN	SPF	RING	SUI	MMER
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Theme/ topic: Globalisation	Theme/ topic: Please can I have some more food?	Theme/ topic: Impossible places	Theme/ topic: Is the grass greener?	Theme/ topic: TBC	Theme/ topic: Young Geographer of the Year
By the end of this half terr	n pupils will know (key know	wledge, including tier 3 voc	abulary):		
 What Globalisation is and how it is measured. Global flow patterns and potential disruptions to these. Why some people oppose globalisation. Environmental issues connected to increase globalisation. Positive effects of globalisation and the impacts of globalisation on our everyday lives. 	 Global food patterns and the uneven distribution of food resources. Why these disparities occur and the different strategies being used to overcome these. The impacts of food insecurity and how we can increase food supply. Sustainable food production. 	 Various places around the world which have been deemed 'impossible' for various environmental or political reasons. Places studied include; Las Vegas, Svalbard, the Aral Sea, the Bermuda Triangle, Chernobyl and Dubai. Exploration of each place and why it has been deemed impossible. 	 Why people move and the different types of migration. The real reasons why people leave their homes (push and pull factors) and how far people might travel What causes migration flows, looking into remittances and the impacts of better global communication on migration. 	This will be completed by September 2022	Knowledge for this unit varies each year depending on the theme set by the Royal Geographical Society
Tier 3 vocab Trade, transportation, telecommunications, environmental impacts, interdependence	Tier 3 vocab Food security, malnutrition, distributions, access, availability,	<i>Tier 3 vocab</i> <i>Sustainability,</i> <i>accessibility, drought,</i> <i>water management,</i> <i>diversity</i>	<i>Tier 3 vocab</i> <i>Migration, refugee,</i> <i>asylum seeker, push</i> <i>factors, pull factors,</i> <i>remittances,</i>	Tier 3 vocab	<i>Tier 3 vocab</i> Enquiry process, methodology, sampling
They will understand (key> Interdependence> Interconnectivity	 Concepts): Interdependence Food disparities 	Physical processesResilience	 Global flows and patterns of migration 		 Geographical Enquiry

AUT	TUMN	SP	RING	ING SUMMER	
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:
Globalisation	Please can I have some more food?	Impossible places	Is the grass greener?	TBC	Young Geographer of the Year
 Global patterns and flows 	 Sustainable food production 		 Refugees and asylum seekers Economic geography 		
They will know how to (ke	ey skills):				
 Extended writing skills, paragraph structure, increased use of geographical key terms. Interpretation and analysis of data. 	 Structure shorter exam style question in preparation for GCSE Interpret and analyse map data 	 Independent research skills Climate analysis 	 Applying migration models to migration stories. Data interpretation Analysis of global flow patterns and data Links with other geographical topics 		Interpretation and presentation of personal response to National competition



Curriculum overview

Faculty: Humanities Subject: History Year Group: 9

AUTUMN		SPR	RING	SUMMER			
Half term 1 Half term 2		Half term 3	Half term 4 Half term 5		Half term 6		
Theme/ topic: What was the impact of World War Two on Britain?	Theme/ topic: What was the Holocaust?	Theme/ topic: What was the significance of the British Empire?	Theme/ topic: Why did a Civil Rights movement emerge in the USA?	Theme/ topic: How and why has protest changed over time?			
By the end of this half ter	m pupils will know (key kno	owledge, including tier 3 vo					
 What caused the outbreak of WWII? What was the impact of the War on the people of Britain? Why was Pearl Harbour significant? Was the USA justified in using the atomic bomb? Tier 3 vocab: Invasion, expansionism, nationalism Evacuation, rationing, blitzkrieg, propaganda Operation Dynamo, Dunkirk, VE Day, VJ Day. 	 What was the Holocaust? What resistance and rescue took place during the Holocaust? What was the impact of liberation? Was justice achieved after the Holocaust? How should we remember the Holocaust? How should we remember the Holocaust? <i>Tier 3 vocab:</i> <i>Anti-semitism, final</i> solution, dehumanisation <i>Concentration</i> 	 What was the British Empire? What was life like to live in the British Empire? Why did the British Empire fall? What is the legacy of Empire in Britain today (Windrush/racial tensions)? Tier 3 vocab: Colony, empire, commonwealth, imperial Mutiny, repression, looting, racism Decolonisation, legacy, repatriation 	 What life was like for black Americans in the 20th century? What was segregation in the USA? Why did black Americans campaign for civil rights? Who were the significant individuals in the movement? <i>Tier 3 vocab:</i> <i>Segregation, Jim</i> <i>Crow Laws, KKK</i> <i>Constitution,</i> <i>amendment, rights</i> <i>Civil rights, civil</i> <i>disobedience, Black</i> <i>Power movement</i> 	 protests through time Why have protests the significant? Tier 3 vocab: 	inged over time? been brought about by e? hrough time been ants' Revolt, Pilgrimage of exation, sexism		

They will understand (key	/ concepts):	
 The reasons for WWII and their relative significance. How the Second World War impacted civilians in Britain. The consequences of American involvement in WWII. 	 What the Holocaust was. How Jewish and non-Jewish people took part in resistance. How liberation impacted both liberated people and the liberators. What are the ways in which we remember the Holocaust? 	 Imperial rule in the British colonies and the impact this had on indigenous populations. The reasons for the rise and fall of the British Empire. The lasting legacy of the British empire within British society. The lasting legacy of the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The lasting legacy of the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society. The reasons defined to the British empire within British society.
They will know how to (ke	ey skills):	
 Explain the causes of WWII and their relative significance. Identify and describe the consequences of WWII for civilians in Britain. Describe the significance of American involvement. 	 Use primary sources to investigate the Holocaust. Analyse interpretations to understand historical arguments about the Holocaust. Explain the impact of the Holocaust on the Jewish population of Europe. 	 Use primary sources to understand the impact of the empire in different countries. Use interpretations to understand historical debate about the British Empire. Explain the lasting legacy of the British Empire around the globe. Identify and explain the significance of individuals who led the significance of individuals who led the civil rights movement. Identify and explain the significance of individuals who led the civil rights movement. Use interpretations to understand historical debate about the British Empire around the globe. Identify and explain the significance of individuals who led the civil rights movement. Identify and explain the significance of individuals who led the civil rights movement. Identify and explain the significance of individuals who led the civil rights movement. Identify and explain the significance of individuals who led the civil rights movement. Identify and explain the significance of each protest. Identify and explain the significance of each protest.



Curriculum overview

Department: Mathematics Year Group: 9

AUTUMN

AUTUMIN						
Theme/ topic:	Theme/ topic:	Theme/ topic:	Theme/ topic:			
Integers, Powers, Sequences and Functions	Lines, Angles & Shapes	Formulae, Identities, Expressions & Equations	FDP, Ratio and Proportion			
By the end of this half term pupils will kr	now (key knowledge, including tier 3 voo	abulary):				
 Negative number calculations To understand and use powers and roots To find the prime factors of an integer To understand and use highest common factors and lowest common multiples using Venn Diagrams Worded problems with HCF and LCM To use and apply the index laws Index laws including negative and fractional indices To round to a specific number of significant figures and estimating To write a large and small numbers in standard form Write numbers from standard form to ordinary form To multiply and divide with numbers in standard form Find the nth term of a linear sequence. Determine whether a term is in a sequence 	 Simple angle facts Parallel angle facts Use Interior and Exterior angle facts to find missing angles in irregular polygons Use Interior and Exterior angle facts to find missing angles in irregular polygons To solve angle problems by forming equations and to find missing angles using algebra Similarity in 2D and 3D shapes. 	 To simplify algebraic expressions involving the four basic operations To simplify algebraic expressions by combining like terms Expand brackets Expand and simplify expressions containing 2 single brackets with ± between them Expand double brackets, stretch the most able to involve area problems Factorise expressions in to one bracket List integers from an inequality and represent inequalities on a number line. To solve linear equations involving brackets To solve equations where the answers are fractions or negative numbers To solve equations with the variable on both sides Form equations to solve worded or geometric problems Factorise Quadratics Substitute into complex formulae To change the subject of a formula 	 Multiplying and dividing decimals Ordering fractions (non-calculator) Converting between mixed numbers and improper fractions Adding and subtracting mixed numbers Multiplying and dividing mixed numbers. Multiply and divide a whole number by a fraction. Calculate fractions and percentages of an amount including worded problems Convert between fractions, decimals, and percentages without a calculator Order fractions, decimals, and percentage with and without a calculator Percentage increase/ decrease without a calculator and percentage change Understand multipliers and use a calculator to calculate percentages of an amount and percentage Reverse percentages Simple interest 			

AAA	Identify the different types of sequences e.g. Arithmetic, geometric, Fibonacci. To explore Quadratic Sequences To be able to find the next terms of a quadratic sequence through differencing			A	To change the subject of a formula involving squares	AAAAAA	Compound interest and depreciation Direct proportion problems (recipes/ best buys) Inverse proportion problems Simplify a ratio (including different units), writing a ratio in the form 1:n, combing ratios (write a:b, b:c in the form a:b:c), sharing in a ratio Ratio problem solving. Understand the relationship between fractions and ratios. Speed (non-calculator) Density
Th	ey will understand (key concepts):						
AA	Understand that very small numbers can be written in the form $A \times 10-n$, (where $1 \le A < 10$) and appreciate the real-life contexts where this format is usefully used Understand that a sequence can be generated and described by a position-to-term rule Be able to write any integer in a range of forms, e.g. $53 = 5.3 \times 10$, $530 \times 1 10$, $5 300 \times 0.01^* 255$		Understand that a pair of parallel lines traversed by a straight line produces sets of equal and supplementary angles		Understand that a solution is a value that makes the two sides of an equation balance. Understand that an equation needs to be in a format to be 'ready' to be solved, through collecting like terms on each side of the equation	$\boldsymbol{\lambda}$	Understand the connection between multiplicative relationships and direct proportion.
Th	ey will know how to (key skills includ	ing	speaking, reading and writing in this s	subj	ect):		
4	Appreciate that a sequence is a succession of terms formed according to a rule Understand that a sequence can be generated and described using term-to-term approaches Understand that a sequence can be generated and described by a position-to-term rule	AAA	Understand that a pair of parallel lines traversed by a straight line produces sets of equal and supplementary angles Know and understand proofs that in a triangle, the sum of interior angles is 180 degrees Know and understand proofs for finding the interior and exterior	AAA	Recognise that there are many different types of equations of which linear is one type Understand that a family of linear equations can all have the same solution Know that when an additive step and a multiplicative step are required, the order of operations	AAAA	(increases and decreases)
4	Be able to write any integer in a range of forms, e.g. $53 = 5.3 \times 10$, $530 \times 1 \ 10$, $5 \ 300 \times 0.01^* \ 255$	~	angle of any regular polygon Solve problems that require use of a combination of angle facts to identify values of missing angles,	4	will not affect the solution Recognise that equations with unknowns on both sides of the	\checkmark	Find the percentage increase or decrease, given start and finish quantities

 Understand that very large numbers can be written in the form A × 10n, (where 1 ≤ A < 10) and appreciate the real-life contexts where this format is usefully used Understand that very small numbers can be written in the form A × 10-n, (where 1 ≤ A < 10) and appreciate the real-life contexts where this format is usefully used 	 equation can be manipulated so that the unknowns are on one side ➢ Solve complex linear equations, including those involving reciprocals 	 Understand the connection between multiplicative relationships and direct proportion Recognise direct proportion and use in a range of contexts, including compound measures Recognise and use inverse proportionality in a range of contexts
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SPRING						
Theme/ topic:	Theme/ topic:	Theme/ topic:				
Perimeter, Area and Volume	Graphs and Coordinates	Calculations, Pythagoras and Trigonometry				
By the end of this half term pupils will know (key l	knowledge, including tier 3 vocabulary):	<u>.</u>				
 Area & Perimeter of Rectangles, Triangles, Parallelograms and trapezia Area and perimeter of Compound Shapes To convert metric units for area and volume Calculate the surface area of a cuboid and prisms Calculate the volume of a prism Calculate volumes of cuboids and volumes of other prisms given the cross-sectional area Know the definition of a circle and the names of its parts Calculate the area of a circle Calculate the area of a circle Real life problems Isometric drawings 	 Mastery of Simple Straight Lines and revision of graphing Linear Equations How to draw graphs of linear equations without a table using m and c How to work out the gradient of a linear graph How to work out an equation of the form y = mx + c from its graph How to work out an equation of the form y = mx + c from its graph How to draw graphs of simple quadratic equations of the form x2 + c How to draw graphs of quadratic equations of the form x2 + bx + c Real life graphs Conversion graphs Distance time graphs 	 Securing BIDMAS Similar shapes Pythagoras theorem Problem solving Pythagoras Trigonometry (finding sides) Trigonometry (finding angles) Trigonometry (finding angles and lengths) Deciding which rule to use Pythagoras or Trigonometry 				
They will understand (key concepts):						
Understand how to calculate the volume and surface area of a variety of 3D shapes and apply this knowledge to problem solving questions.	Understand that different types of equation give rise to different graph shapes, identifying quadratics in particular	 Understand the relationship between the lengths of the sides of a right angled triangle. Understand how to use trigonometry to calculate missing angles and side lengths of right angle triangles. 				
They will know how to (key skills including speaking, reading and writing in this subject):						
 Recognise that there is a constant multiplicative relationship (π) between the diameter and circumference of a circle Use the relationship C = πd to calculate unknown lengths in contexts involving the circumference of circles Understand the derivation of, and use the formula for, the area of a circle 	 Understand that different types of equation give rise to different graph shapes, identifying quadratics in particular Read and interpret points from a graph to solve problems Model real-life situations graphically Recognise that the point of intersection of two linear graphs satisfies both relationships and 	 Be aware that there is a relationship between the lengths of the sides of a right angled triangle Use and apply Pythagoras' theorem to solve problems in a range of contexts Use trigonometry to find missing angles and side lengths in right angled triangles. Choose appropriate trigonometric relationships to use to solve problems in right angled triangles 				

 Solve area problems of composite shapes involving whole and/or part circles, including finding the radius or diameter given the area Understand the concept of surface area and find the surface area of 3D shapes in an efficient way 	hence represents the solution to both those equations	Use trigonometric ratios to find a missing side in a right-angled triangle 246 Use trigonometric ratios to find a missing angle in a right-angled triangle
 Be aware that all prisms have two congruent polygonal parallel faces (bases) with parallelogram faces joining the corresponding vertices of the bases Use the constant cross-sectional area property of prisms and cylinders to determine their volume 		

SUMMER		
Theme/ topic:	Theme/ topic:	Theme/ topic:
Shape & Transformations	Probability	Processing and Representing Data; Interpreting and Discussing Results
By the end of this half term pupils will know (key know	wledge, including tier 3 vocabulary):	
 Plans & Elevations Reflection in y=x and other straight lines Rotation by centre, angle & direction Translations by vector Enlargement given centre (include fractional and introduce negative) Combinations of Transformations Describing Transformations 	 Mutually Exclusive Events Experimental probability Two way tables Introducing Tree Diagrams using unconditional and conditional probability Introducing Venn Diagrams and set notation Use Venn diagrams to work out probabilities 	 Mastery of Averages Discrete Data Frequency Table Mode, mean and range Estimating Means from grouped Frequency Tables and finding the modal group Discrete and continuous Data Frequency Table median Scatter Graphs & Lines of Best Fit Interpolation & Extrapolation Drawing Pie Charts Interpreting Pie Charts Averages from Stem & Leaf Diagrams and comparing Introducing the IQR Box Plots
They will understand (key concepts):	Not the developed that a new system as a new short	
 Understand the nature of enlargements and appreciate what changes and what is invariant Understand the minimum information required to describe an enlargement (centre of enlargement and scale factor) Understand the minimum information required to describe a reflection (line of reflection) Understand the nature of reflections and appreciate what changes and what is invariant Understand the minimum information required to describe a reflection (line of reflection) 	 Understand that some outcomes are equally likely, and some are not Understand that the likelihood of events happening can be ordered on a scale from impossible to certain Understand that the likelihood of outcomes can be determined by designing and carrying out a probability experiment Understand that the probabilities of all possible outcomes sum to one 	Understand how to choose appropriate statistical measures to explore a problem.
They will know how to (key skills including speaking,	reading and writing in this subject):	
 Understand the nature of enlargements and appreciate what changes and what is invariant Understand the minimum information required to describe an enlargement (centre of enlargement and scale factor) 	 Understand that some outcomes are equally likely, and some are not Understand that the likelihood of events happening can be ordered on a scale from impossible to certain 	 Given a statistical problem, choose what data needs to be analysed to explore that problem Given a statistical problem, choose appropriate statistical measures to explore that problem Given a statistical problem, choose appropriate representations to explore that problem

	Enlarge objects using information about the	\triangleright	Understand that the likelihood of outcomes can	5	Given a statistical problem, choose appropriate
-				_	
	centre of enlargement and scale factor		be determined by designing and carrying out a		measures and representations to effectively
	Understand the nature of reflections and		probability experiment		summarise and communicate conclusions
	appreciate what changes and what is invariant	\succ	Systematically find all the possible outcomes	5	Construct bar charts from data presented in a
\succ	Understand the minimum information required		for two events using a range of appropriate		number of different ways
, in the second se	to describe a reflection (line of reflection)		diagrams	5	 Construct pie charts from data presented in a
~			0	· ^	•
	Reflect objects using a range of lines of		Systematically identify all possible outcomes for		number of different ways
	reflection (including non-vertical and		more than two events using appropriate	2	Construct pictograms from data presented in a
	nonhorizontal)		diagrams, e.g. lists		number of different ways
\triangleright	Understand the nature of reflections and	\geq	Find theoretical probabilities from sets of	5	Construct scatter graphs from data presented in
	appreciate what changes and what is invariant		outcomes organised in a systematic way from a		a number of different ways
	•				a number of amerent ways
	Understand the minimum information required		range of appropriate representations		
	to describe a reflection (line of reflection)	\succ	Understand that probability is a measure of the		
\succ	Reflect objects using a range of lines of		likelihood of an event happening and that it can		
	reflection (including non-vertical and		be assigned a numerical value		
	nonhorizontal)		Calculate and use theoretical probabilities for		
	Understand the nature of reflections and	Í	single events		
		~	5		
	appreciate what changes and what is invariant	\succ	Understand that the probabilities of all possible		
\succ	Understand the minimum information required	1	outcomes sum to one		
	to describe a reflection (line of reflection)	\triangleright	Calculate and use theoretical probabilities for		
\geq	Reflect objects using a range of lines of	1	combined events using a variety of appropriate		
l í	reflection (including non-vertical and	1	• • • • •		
		1	representations, including Venn diagrams		
	nonhorizontal)	\square			



Curriculum overview

Department: Music Year Group: 9

AUT	UMN	SPR	RING	SUM	MER
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Theme / Topic Why is reggae music so important? <i>Reggae</i>	Theme / Topic Why music? Careers in the Music Industry	Theme / Topic Why is minimalism so important? <i>Minimalism</i>	Theme / Topic How did Britpop come to be? Rock 'n' Roll & The Birth of Britpop	Theme / Topic What makes this song great? Small Group Compositions (I)	Theme / Topic What have I learned? Small Group Compositions (II)
 By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) How, where, when and why Reggae Music developed Key artists associated with the genres The characteristics of Reggae Music How to compose a piece of music that uses typical features of a Reggae song Tier 3 vocab Off-beat rhythm Syncopation Riff Walking bass Words associated with lyric content e.g. peace, freedom 	 By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) How the music industry is evolving in the 21st century The variety of careers that are available in the music industry and the skills required to access them How to use a variety of skills (both musical and non-musical) to respond to starting points <i>Tier 3 vocab</i> Vocabulary in this unit will be industry specific e.g. review, arrange, scaffold, chord progression, lyricist, plan and budget 	 By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) What Minimalism is and influential musicians in this style How to perform a piece of minimalist music How to compose in a minimalist style How a short motif or 'cell' can be developed, varied and extended Tier 3 vocab Cell, layer, loop Metamorphosis, phase shift, additive rhythm, subtractive rhythm and repetition DAW, loop, duplicate, erase, quantize 	 By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) How rock 'n' roll developed How this then went on to develop different genres of rock music How Britpop music developed and the success it had What the Battle of Britpop was How 'Wonderwall' came to be composed Tier 3 vocab Rock n Roll and subgenres e.g. glam, punk, hard rock Britpop Technology features e.g. overdubbing, panning Instrument specific technique e.g. strumming patterns, chords 	 By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) Techniques, ideas and features that can enhance the quality of a piece of popular music How to identify features of the music when listening How to compose a piece of music for a musical Tier 3 vocab Compound time, syncopation, cross rhythm Melisma, vibrato, glissando Added note chords Recitative, ballad 	 By the end of this half term pupils will know (key knowledge, including tier 3 vocabulary) What makes a great pop song How to apply prior learning to compose a great pop song How to use DAW to enhance the final quality of an original composition How to apply skills learned in KS3 Music in future units or courses Tier 3 vocab Vocabulary in this unit will be made up of a variety of vocabulary learned in previous units e.g. strophic, chord sequence, riff, hook, melody, sequence, record, capture DAW e.g. reverb, delay

AUTUMN		SPF	RING	SUM	MER	
Half term 1	Half term 2			Half term 5	Half term 6	
Theme / Topic Why is reggae music so important? <i>Reggae</i>	Theme / Topic Why music? Careers in the Music Industry	Theme / Topic Why is minimalism so important? <i>Minimalism</i>	Theme / Topic How did Britpop come to be? Rock 'n' Roll & The Birth of Britpop	Theme / Topic What makes this song great? Small Group Compositions (I)	Theme / Topic What have I learned? Small Group Compositions (II)	
They will understand (key concepts)	They will understand (key concepts)	They will understand (key concepts)	They will understand (key concepts)	They will understand (key concepts)	They will understand (key concepts)	
 The context surrounding the development of Reggae Music How Reggae music was influenced by a mixture of genres How Reggae became a political vehicle to communicate wishes of peace and love 	 That a career in the music industry does not necessary need excellent performance or composition skills How the skills learned in a music lesson can prove useful in other areas of life e.g. problem solving, working as a team How to respond to scenarios and starting points from a brief 	 How and why Minimalist music was developed The impact the Minimalism had on other genres of music in the 20th century The differences between composing a melody and composing minimalist music How to use technology to enhance a composition in a minimalism style 	 How rock music developed in the 1950s- 1970s Why Britpop Music developed in response to it's social context How artists used Britpop to showcase 'the best of British' How to perform a piece of Britpop Music How to multitask when performing (play and sing) 	 How to listen to and identify more advanced musical features from a piece of music e.g. time signatures, chords, cadences and melodic technique The impact that a song in a musical can have on the storyline How to compose an effective piece of music as part of a musical 	 How to compose a pop song How to apply learning from previous units to develop initial ideas and concepts How features of DAW software can be used to enhance pop songs 	
They will know how to (key skills)	They will know how to (key skills)	They will know how to (key skills)	They will know how to (key skills)	They will know how to (key skills)	They will know how to (key skills)	
 Play an off-beat or syncopated rhythm Compose music that uses characteristics of the Reggae style Write lyrics to express political views or wishes for peace and love Use musical elements to enhance performance Self-evaluate progress and suggest improvement 	 Explain job roles from a range of careers within the music industry Apply knowledge and understanding from a range of music and non-musical starting points Respond to a mixture of starting points to undertake roles within the music industry 	 Perform a piece of music in minimalist style as part of a whole class ensemble Compose a piece of minimalist music Use DAW software to enhance the composition Explore the use of timbre, time signatures and tempo to enhance performance 	 Identify the key features of Britpop Music Make comparisons between Britpop music and the music that inspired it Perform a piece of music as a whole class ensemble Use recordings to critique and make improvements to performance 	 Analyse music from a variety of genres and identify musical features that contribute to it's success Apply some of these concepts to composition Compose a piece of music that could be part of a musical Critique, review and reflect on the success of compositions 	 Apply skills from prior learning to create a piece of music from a starting point Consider WWW and EBI to improve musical ideas Compose a piece of popular music Use DAW software to support compositions in a popular style 	



Curriculum overview

Department: P.E. Year Group: 9 Focus: Building aspirations and developing resilience

AUTUMN	SPRING	SUMMER
Half term 1	Half term 3	Half term 5
Half term 2	Half term 4	Half term 6
Theme / Activity	Theme / Activity	Theme / Activity
Invasion Games taught through Rugby, Football,	Invasion Games taught through Handball,	
Netball & Hockey	Tchoukball, Basketball	Fielding & Striking taught through Cricket &
Net & Wall Games taught through Badminton	Dance	Rounders
Gymnastics	Health, Fitness & Wellbeing	Athletics
*additional outdoor activities are also timetabled to enrich	*additional outdoor activities are also timetabled to enrich	*additional outdoor activities are also timetabled to enrich
the sports provision	the sports provision	the sports provision
By the end of this term pupils will know (thinking) (key know	/ledge, including tier 3 vocabulary)	
How to	How to	How to
 apply techniques specific to the game effectively, safely and efficiently to use principles of performance in planning tactics and strategies for the tasks and challenges adapt strategies, taking account of their own strengths and weaknesses and changing conditions and situations continue to improve their personal fitness in and through games understand why regular exercise has a positive effect on their own health, fitness and social wellbeing take the initiative and decide how to develop and improve their own progress and that of others apply techniques for the style of gymnastics with control and precision use compositional principles in designing and creating sequences adapt sequences and their designs, taking account of their own strengths and weaknesses and those of their partners Tier 3 vocab Analysis, Creativity, Knowledge, Leadership, Tactics Competitive, Fitness, Movement, Skill Development, Technique	 apply techniques specific to the game effectively, safely and efficiently to use principles of performance in planning tactics and strategies for the tasks and challenges adapt strategies, taking account of their own strengths and weaknesses and changing conditions and situations continue to improve their personal fitness in and through games understand why regular exercise has a positive effect on their own health, fitness and social wellbeing take the initiative and decide how to develop and improve their own progress and that of others perform with technical competence and an understanding of selected dance styles use a range of compositional ideas and principles to compose dances for different choreographic purposes analyse, interpret and evaluate dances with an understanding of style, context and intention and use this understanding to improve their performance <i>Tier 3 vocab</i> Analysis, Creativity, Knowledge, Leadership, Tactics Competitive, Fitness, Movement, Skill Development, Technique 	 apply techniques specific to the game effectively, safely and efficiently adapt strategies, taking account of their own strengths and weaknesses and changing conditions and situations how to continue to improve their personal fitness in and through games why regular exercise has a positive effect on their own health, fitness and social wellbeing where and how to become involved in games activities use the information gained from analysis of performance to influence and improve their own play to show precision, control and fluency in a range of chosen events use principles of performance in planning tactics and strategies for the tasks and challenges adapt strategies, taking account of their own strengths and weaknesses and changing conditions and situations Tier 3 vocab Analysis, Creativity, Knowledge, Leadership, Tactics Compassion, Courage, Endeavour, Integrity, Respect Competitive, Fitness, Movement, Skill Development, Technique

They will understand (feeling) (key concepts)		
 Compassion – Value the contribution of all to successful performance Courage – describe to others where you succeeded and where you went wrong. To try the difficult skills in order to progress Endeavour – Use problem solving skills to progress independently. Be resilient and determined in all activities. Integrity - Take ownership of your behaviour. Be honest when performing, refereeing or umpiring Respect – Follow the rules of the game. Be supportive and respond positively to the contributions of teammates and opponents in games and your peers in gymnastics. Ensure learning proceeds smoothly by being on time and with all PE uniform They will know how to (doing) (key skills) 	 Compassion – Value the contribution of all to successful performance Courage – describe to others where you succeeded and where you went wrong. To try the difficult skills in order to progress Endeavour – Use problem solving skills to progress independently. Be resilient and determined in all activities. Integrity - Take ownership of your behaviour. Be honest when performing, refereeing or umpiring Respect – Follow the rules of the game. Be supportive and respond positively to the contributions of others in games and dance when watching/appraising performances. Ensure learning proceeds smoothly by being on time and with all PE uniform 	 Compassion – Value the contribution of all to successful performance Courage – describe to others where you succeeded and where you went wrong. To try the difficult skills in order to progress Endeavour – Use problem solving skills to progress independently. Be resilient and determined in all activities. Integrity - Take ownership of your behaviour. Be honest when performing, refereeing or umpiring Respect - Follow the rules of the game. Be supportive and respond positively to the contributions of others. Ensure learning proceeds smoothly by being on time and with all PE uniform
 demonstrate their ability to play in small-sided games as individuals and teams. use their skills in a number of different positions within a team. use new techniques and give them time to practise and improve upon areas of weakness. refine practices and drills that improve technique or selected aspects of teamwork, eg a semi-opposed game to improve the timing of a pass. organise simple game plans, eg find successful combinations of tactics. implement a range of set plays, including starts and restarts. extend the range of attacking, eg creating overlaps, attacking the 'seams' of a zone, and defensive tactics, eg the benefits of man-to-man, zone, or combinations of manto-man and zone. 	 demonstrate their ability to play in small-sided games as individuals and teams. use their skills in a number of different positions within a team. use new techniques and give them time to practise and improve upon areas of weakness. refine practices and drills that improve technique or selected aspects of teamwork, eg a semi-opposed game to improve the timing of a pass. organise simple game plans, eg find successful combinations of tactics. implement a range of set plays, including starts and restarts. extend the range of attacking, eg creating overlaps, attacking the 'seams' of a zone, and defensive tactics, eg the benefits of man-to-man, zone, or combinations of man-to-man and zone. explore a range of dance styles/forms, eg tribal dance, ballroom dances, jazz dance, contemporary dance. observe, analyse and improvise ideas from source materials, eg 'Strictly ballroom' – partner relationships, foot and hand gestures, stepping patterns with changes of direction and dynamics. develop and structure material in relation to intention, style and form, eg chance encounters – roll a dice to determine the order of the motif: perform with good alignment, posture and clarity of shape. observe extracts of professional dance works. Help them to analyse the characteristics of specific styles and to use this analysis to develop their own ideas. 	 use a range of bowling techniques and demonstrate accuracy and consistency when bowling use a range of techniques and strokes accurately when batting demonstrate a range of fielding skills with consistent efficiency understand how to move their feet when batting to adjust to the direction of the bowl, and set problems for fielders when striking the ball remain dynamic when fielding and move appropriately to field and back up, making good decisions about where to throw the ball to set problems for batters minimise scoring opportunities when bowling select appropriate approaches for the event distribute their effort effectively within a competition choose when to use power and when to use greater control identify different forms of training that will improve their own personal fitness set targets and programmes to improve performance



Curriculum overview

AUTUMN		SPR	ING		SUMMER	
Half term 1 Half term 2		Half term 3 Half term 4		Half term 5 Half term 6		
Theme/ topic: What are medical ethics and how do different religions and worldviews respond?		Theme/ topic: What are the origins of Judaism and how is it practised today?		Theme/ to	opic: Is there life after death?	
By the end of this half terr	n pupils will know (key	knowledae. includina tie	r 3 vocabularv):			
 Knowledge and under medical ethical issues responses to them. Meaning & purpose: T 	standing: Various and different o consider how s help to guide people	 Knowledge and un of the religion Juda cultural practice of Meaning & purpose why Jews practice 	derstanding: The origins iism, religious and	different worldv ➤ Meaning & purp	understanding: About Religious and iews about Life after death oose: To consider how beliefs about life this life meaning and purpose.	
Tier 3 vocab		Tier 3 vocab		Tier 3 vocab		
Capital Punishment, Aboli Death Row, Euthanasia, A Roman Catholic, Qur'an, Palliative care, Abortion, H Genetic Engineering, Bloc Transplant surgery, Jehov Surrogacy, In Vitro Fertilis Playing God, Embryo, Leg	 Ther S vocab The State The S vocab The State The State The State The State The State The State The State<td>heaven, hell, logic, Buddha Dharma, H Nirvana, Atman,</td><td>mpirical evidence, reincarnation, theological, atheist, agnostic, Sikhi, lindu Dharma, Samsara, Moksha,</td>		heaven, hell, logic, Buddha Dharma, H Nirvana, Atman,	mpirical evidence, reincarnation, theological, atheist, agnostic, Sikhi, lindu Dharma, Samsara, Moksha,		
They will understand (key	concepts):					
 Values & commitment values in relation to m 		Jews show their co	ent: To understand how ommitment to their faith. /n beliefs/worldviews and		nitment: To consider what we value in life pose to live our lives.	

Belief & practice: To understand how religious beliefs influences believers stance on medical ethics.	 how they relate to Jewish practice. To be aware of stereotyping and antisemitism. > Belief & practice: To understand how Jews put their faith into practice and how this may vary. 	Belief & practice: To understand how beliefs about life after death relate to religious practice today.			
They will know how to (key skills including speaking, reading and writing in this subject):					
Analyse	Investigate Interpret Reflect Empathise Us	se Evidence Evaluate			



Curriculum overview

Department: Physics Year Group: 9

Autumn		Spring			Summer	
Energy concepts Heatin (4 lessons) (13 lesso					Mains electricity (8 lessons)	
Use a model to describe changes in energy stores in different systems				-	Examine the benefits and risks of using electricity in the home	
 The 4 pathways by which energy is shifted between stores. The Principle of Conservation of Energy; that energy can be shifted usefully, stored or dissipated, but cannot be created or destroyed. <i>Keywords</i> elastic kinetic chemical gravitational heating by particles heating by radiation mechanical work electrical work 	Energy is shifted throu heating by particles.	ugh solids by ctive insulator which hergy transfer by in which energy is s; it can result in hanges of both at the same o quantify the eded to change the of a substance.	 The names and symbols of commolicult components. Current is the rate of flow of election charge. Ohms Law for fixed resistors. The component characteristics of resistors, filament lamps, diodes, thermistors, and light dependent resistors. Rules for combining cells and components in series. Rules for combining cells and components in parallel. Keywords current electron charge potential difference series / parallel ohmic diode thermistor 	etric	 The UK mains uses alternating current at an average voltage of 230 V and frequency of 50 Hz. The basic structure of the National Grid system and the role of transformers in minimising energy losses. The wiring colour conventions used in UK mains plugs. Fuses are safety devices which protect devices from too much current flow. The earth wire is a safety device which protects users if loose wiring causes exposed metal surfaces to become live. Copper is used in electrical cables due to its flexibility and electrical conductivity. Keywords alternating live neutral fuse plug socket double insulated 	

Autumn		Spring			Summer	
Energy concepts Heatin (4 lessons) (13 lessons)		•	s) Electricity in circuits (12 lessons)		Mains electricity (8 lessons)	
Use a model to describe changes in energy stores in different systems	Measure the specific different	• •	Determine the current voltage characteristics of common circuit components		Examine the benefits and risks of using electricity in the home	
They will understand (key concept	ts)					
 How to describe a system as an object or group of objects. How to describe the changes in the way energy is stored when a system changes. How to apply the principle of conservation of energy including in systems where it appears that energy has been lost. How to distinguish between useful energy shifts and those that are less useful. 	 How to evaluate the efmethods of home insul How to explain change energy being shifted to stores of particles in a How to explain temper of energy being shifted stores of particles in a 	ation. s of state in terms of the potential energy substance. ature changes in terms I to the kinetic energy	 How to calculate the charge flow i circuit. How to work out the resistance an difference in an electric circuit. How to use a model to explain ele resistance. How combining resistors in series affects the overall circuit resistance 	nd potential octrical and parallel	 How mains electricity differs from electricity supplied from batteries or solar cells. How to calculate the power of an electrical appliance. How to calculate the efficiency of an electrical appliance. How to evaluate claims about the energy efficiency of electrical appliances in the home. How to determine a suitable fuse value to use in an electrical appliance. 	
They will know how to (key skills)						
 Identify the energy stores in familiar and unfamiliar systems. Use scientific vocabulary accurately when describing energy shifts. 	 Investigate how the this insulating material affers shift by conduction. Determine the specific metal block using experience of the experiment of the experimentations of the experimentations of the experiment of the experiment of the experimentations. Use SI units and unit p Substitute numerical varied equations using appropriation of the subject of change the subject of petermine the slope of the slope o	cts the rate of energy heat capacity of a erimental methods. e quantitative energy required to re and state of refixes. alues into algebraic oriate units for physical equations. an equation.	 Investigate how the resistance of depends on its length or cross-see of common circuit components. Make accurate and repeatable me of current and voltage. Find the arithmetic mean and range of data. Plot two variables from experiment Identify and test whether two variated directly proportional. Evaluate methods to determine whethey are valid. 	ctional area. aracteristics easurements ge from a set atal data. ables are	 Select the most appropriate equation to use to solve a problem given initial conditions. Solve simple algebraic equations. Change the subject of an equation, including equations containing squared values. 	



Curriculum overview

Department: Spanish Year Group: 9

AUTUMN		SPRING		SUMMER		
Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6	
Theme / Topic Desconectate	Theme / Topic Desconectate	Theme / Topic Mi vida en el insti	Theme / Topic Mi vida en el insti	Theme / Topic Mi gente	Theme / Topic Mi gente	
By the end of this half te	erm pupils will know (key	knowledge, including tier	3 vocabulary)			
 summer activities weather holiday preferences 	 past holidays a trip to Barcelona booking accommodation 	 school subjects and opinions school uniform the school day describing school 	 school rules issues at school a school exchange extracurricular activities and achievements 	 socialising and family describing people social networks 	 making arrangements reading for pleasure describing relationships 	
They will understand (k	ey concepts)	1				
 Grammar Regular verbs in the present tense Identifying and using connectives (<i>y</i>, <i>pero</i>, <i>cuando</i>, <i>o</i>, <i>sin embargo</i>, <i>también</i>) Using the present, preterite and imperfect tenses together Listening for positive and negative opinions Irregular verbs in the present tense (<i>ser, tener, ir</i>) 	 Grammar ➢ Using two past tenses (preterite and imperfect) ➢ Giving opinions about the past ➢ Using sequencers to structure writing (primero, luego, después, más tarde, finalmente) ➢ Using verbs with usted ➢ Understanding higher numbers ➢ The preterite tense (regular -ar/-er/-ir verbs and ser, ir) 	 Grammar ➢ Opinion verbs (me gusta, me encanta, me interesa, odio, prefiero) ➢ Including qualifiers (demasiado, muy, bastante, poco) ➢ Comparatives (más, menos, mejor, peor, tan como) ➢ Adjectival endings for colours (-o/a, - e, consonant endings) 	 Grammar Using phrases followed by the infinitive (se debe, no se debe, está prohibido, no se permite) Applying pronunciation patterns to new language Tackling listening tasks which include distractors or ideas expressed in different words Using the near future tense 		 Grammar ➢ Justifying opinions using adjectives ➢ Structuring writing (primero, además, sin embargo, por otro lado, ya que, por eso) ➢ Reflexive verbs for relationships ➢ Working with cognate personality adjectives: dinámico, estricto, estúpido, pesimista, etc. 	

 Verbs of opinion Decoding and using question words (¿Cuándo? ¿Adónde? ¿Dónde? ¿Qué? ¿Por qué?) Phonics V: (revision) verano, revistas, veces a: (revision) adicto, fanático, aire, hacer qui: (revision) Turquía que: (revision) saqué cu + vowel: (revision) recuerdos rr: (revision) horroroso, aburrido 	 Writing a longer text, using connectives, negatives and opinion phrases Phonics silent h: (revision) hay, habitación, higiénico i: (revision) individual, higiénico ñ: (revision) baño ge: (revision) general, gente gui: (revision) siguiente qui: (revision) alquilé, equipaje 	 Using time expressions correctly Using negatives (nada, ni ni, nunca, tampoco) Distinguishing between the present and the imperfect Phonics j: (revision) dibujo, joven, viejo ge: (revision) geografía gu: (revision) gusta, gustan II: (revision) llevo, llevamos, llevar z: (revision) zapatos, empiezan co: (revision) cómodo, incómodo, cómo i: (revision) insti, biblioteca, mixto, edificio ci: (revision) instalaciones, edificio 	 Asking and answering questions Using desde hace to say how long you have been doing something Understanding direct object pronouns (<i>lo/la/los/las</i>) Spotting time expressions while listening Phonics II: (revision) <i>llevar</i>, pasillo U: (revision) <i>usar</i>, puntual, durante v: (revision) voy, vas, vamos, viajar, visitar, llevar co: (revision) practico, toco, coro ñ: (revision) año 	 consonant, -or/ora, -ista) Qualifying descriptions (muy, bastante, un poco, poco) Phrases that don't translate word for word Identifying the person of the verb in a reading text Para + infinitive Extending responses by referring to others The present continuous Decoding verbs in the present continuous while listening Improvising dialogues Phonics v: (revision) móvil, veo, vídeos, vez z: (revision) azules, rizado rr: (revision) mávil, agafas, delgado go: (revision) largo, gordito, gordo ci: (revision) aplicaciones, social 	 Using adjectives and adverbs of frequency to give more detailed descriptions Ser and estar Phonics a: (revision) revistas, transportables o: (revision) comics, periódicos v: (revision) Ilevas, divierto gui: (revision) alguien ce: (revision) acepta, hace, dice
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They will know how to (/ ➤ Discussing holiday activities and	 Booking accommodation 	 Giving opinions about school 	 Talking about activities and 	 silent h: (revision) haciendo, hablando, hora gui: (revision) guitarra que: (revision) qué, quedamos Talking about socialising and 	 Talking about reading
 weather Revising the present tense of regular verbs Talking about holiday preferences Revising the present tense of irregular verbs Using verbs of opinion to refer to different people Talking about a past holiday Using the preterite tense Writing a longer text Describing a trip to Barcelona Using two past tenses Giving opinions in the past 	 and dealing with problems Using verbs with <i>usted</i> Understanding higher numbers Giving an account of a holiday in the past Using three tenses together Identifying positive and negative opinions 	 subjects Comparing subjects and teachers Describing school uniform and the school day Using adjectives Describing your school Using negatives Distinguishing between the present and the imperfect 	 achievements Understanding object pronouns Using three tenses together 	 family Using verbs in the present tense Describing people Using adjectival agreement Talking about social networks Using para with infinitives Extending responses by referring to others Making arrangements Using the present continuous Improvising dialogues 	 preferences Using a range of connectives Recognising similar ideas expressed differently Describing relationships Using ser and estar Understanding more detailed descriptions Talking about freetime activities Using stemchanging verbs