

RIDGEWOOD SCHOOL

Learning Mans



HALF TERM 1



Barnsley Road, Doncaster DN5 7UB 01302 783939

KS4 Learning Maps - Half Term 1

Dear parent/carer,

I am pleased to enclose 'Learning Maps' for every subject that your son/daughter will study this year. These will be sent home to parents every half term, so that you are fully informed about the topics your child is studying. The Learning Maps are shared in lessons with students at the start of each new topic, so they are aware of how their knowledge, understanding and skills will develop. The Learning Map also makes it clear to students how the topic will build on prior learning and prepare them for subsequent learning, therefore enabling them to make progress.

Included within the Learning Maps are Tier 3 (subject specific) vocabulary lists and suggested wider reading opportunities, to support students' disciplinary literacy development. In each Learning Map we have also included Extended Learning (homework) and suggested ways in which parents/carers can get involved in their child's learning and support their next steps.

We will also make these Learning Maps available on the school website for you to access electronically if you prefer.

For most subjects in this booklet, there is just one Learning Map as all students study the same content, which is then tailored to their group and individual needs. Maths has different Learning Maps depending if students are working towards Higher or Foundation Papers. For Core PE, students rotate around different topics through the year. Teachers will explain to students at the start of each rotation which topic they are learning, but all of these Learning Maps are included in this booklet.

We hope that having these Learning Maps available to you will help you to discuss with your son/daughter what they are learning, and be useful at signposting to you opportunities for extended learning and ways that you can help your child to accelerate their progress.

It is extremely important to us that there is two-way communication between Ridgewood School and the parents and carers of our students. If you have any questions about your child's Learning Maps or his/her progress, I would welcome you getting in touch with us. Please use the 'Contact Us' facility on our website to do so.

Yours faithfully,

Andy Bridge

Deputy Headteacher





Topic Number: HT1

Prior Learning This start to the GCSE course will reaffirm some of the learning covered in KS3 and introduce you to new methods to secure evidence to fulfil the assessment objectives of the exam board.		design and how these c understanding the worl at artists through exper	arn the formal elements of art and can be applied to researching and k of others. You will respond to looking rimentation with materials and n outcome inspired by your learning.	taught, and the expectations of work required from it. You	r the structure of how GCSE Art is of the type of work and quality will increasingly have more ore work through your responses
Week See	quencing	Tier 3 Vocabulary	Extended Learning		Ways in which parents/carers can support
Week 1	Observed drawing	Abstract	Endeavour to follow the home learning requirements set and		
Week 2	Observed drawing	Colour	directed by your teacher throughout th	·	Discuss themes with students.
Week 3	Investigate the	Composition	you may have missed and independently be adding to your		Share any reading materials,
	theme of Sea life	Distort	sketchbook every week.		photographs, objects and
Week 4	Formal elements	Exaggerate	707		experiences you may have
	of art	Experiment technique	www.nationalgallery.org.uk		which could enhance their
Week 5	Artist	Investigate	www.tate.org.uk		work.
	investigation	Line	The Art Book, Phaidon Editors		Visit Salts Mill in Saltaire, a
	applying formal	Material	THE AIR BOOK. Financial Editors		gallery dedicated to David
	elements	Observe/observation			Hockney's work:
Week 6 Technique Realistic		https://www.saatchiart.com/account/artworks/1738386		https://www.saltsmill.org.uk/	
	experiments	Research			
Week 7 Technique Respond		https://www.saltsmill.org.uk/			
	experiments	Shape Surrealistic			
Week 8	Begin	Texture	https://qualifications.pearson.com/en/		
	investigations into	Tone	gcses/art-and-design-2016/exemplar-lil	orary.html	
	David Hockney	Total			

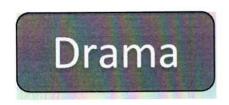
Business - Enterprise and Marketing.



Year 10 Learning Map

Topic Number: R067 (TA2) Market research and R068 (TA1) Market Research.

	To	pic Title: R068 Task 1 -	- Market Research		
Prior Learning This topic builds on prior knowledge and understanding of how a business will run and the skills of an entrepreneur from year 8.		Current Learning In this topic you will analyse the exam brief set by OCR. This will set the foundations of the business that you will complete your RO68 project for over year 10. In this half term, you will complete task 1, this is based upon market research and analysing the results.		Subsequent Learning This topic will then lead into R068 task 2, this is based on identifying a customer profile for the business.	
Lesson Seq	uencing	Tier 3 Vocabulary	Extended Learning		Ways in which parents/carers can support
Lesson 1	Analysing the exam brief.	Risks			
Lesson 2	Understanding market research.	Rewards Needs	The purpose of ma Market research - E		<u>Cambridge Nationals - Enterprise</u> <u>and Marketing Level 1/Level 2 –</u>
Lesson 3	Reviewing different sampling methods.	Wants Product development Goods	<u>Business Revision -</u> <u>Bitesize</u>	Edexcel - BBC	<u>J837 - OCR</u>
Lesson 4	Primary vs secondary research.	Service Market	Cambridge Nationa		OCR Level 1/Level 2 Cambridge National in Enterprise and
Lesson 5	Gathering research.	Sampling	Sheet R068 (ocr.org		Marketing specification
Lesson 6	Presenting research using graphical tools.	Primary research Secondary research Quantitative	To support student catchup session will		Cambridge National in Enterprise and Marketing Unit Recording
Lesson 7	Analysing the research to identify conclusions.	Qualitative Market segmentation	Thursday between		Sheet R068 (ocr.org.uk)
Lesson 8	DIRT improvements on task 1.				





Topic Number: 1 and 2

Component 1: Exploring The Performing Arts PSA1

Prior Learning

This topic builds on your knowledge of performance texts (such as Missing Dan Nolan and DNA) by examining a specific work in detail. This topic will introduce you to new performances and the processes used by the industry to create new works.

Current Learning

In this topic you will study a production in detail and learn about the processes used to create the work. This will allow you to apply these techniques to a performance in a similar style.

You will develop key terminology linked to these performances and the processes of creating them.

This topic is important for you to develop your understanding – both practical and theoretical – of how the performing arts will create work. This component will help you to understand the requirements of being a performer and/or designer across productions selected by your teacher.

Subsequent Learning

This topic will prepare you for further practitioner and production knowledge within key stage 4 and 5. It will equip you with the skills needed to critically observe a production and the processes that go in to creating an effective production across different performance styles.

You will be required to demonstrate the ability to explore, describe and apply, research and communicate about practitioners and production across key stage 4 and 5. This exploration and application will be particularly useful with Component 3: Responding To A brief.

Lesson Sequencing	Tier 3	Extended Learning	Ways in which
	Vocabulary		parents/carers can support
Week 1-2: Task 1: Stylistic features in relation to the theme.	Naturalism	You can support your child's progress by exploring our	You may also want to see
Week 2-3: Task 1: Key features, purpose and intentions in relation of the theme.	Physical Theatre Verbatim	Digital Theatre+ package. www.digitaltheatreplus.com	some local live theatre at CAST. This regional theatre offers a range of productions
Week 4-5: Task 1: Influence of others on the work in relation to the theme.	Contextual Influences	All students will be provided with the log in details to access this amazing resource. Here we would suggest	throughout the year. https://castindoncaster.com/
Week 5-6: Task 1: Skills required to create the work in relation to the theme and roles and responsibilities.	Performance Style	watching the following interviews: Search: devising skills Digital Theatre+	
Week 7-8: Task 2: PRACTICAL: How do they create the work?	Director	(digitaltheatreplus.com)	
Week 9-10: Task 2: PRACTICAL: How do they use the rehearsal process? The approaches to create work	Lighting Designer	As you complete the portfolio you will be asked to create a set of notes to support you. This will be set by your	
Week 11-12: Task 2: PRACTICAL: Their production process.	Set Designer Rehearse	individual teacher.	
Submission of portfolio covering Task 1 and Task 2.	Perform		



Year 10 Learning Map - Half Term 1

		Tear 20 Learning	Swap nan renn 2	
N	on-Fiction Readin	g and Writing: Edu	qas Eng <mark>l</mark> ish Language Comp	oonent 2 Section A
Prior Learning Building on non-fiction real Stage 3, you will enhance range of engaging non-fict will focus on engaging wit speeches, articles, and let You will build on prior knot transactional and persuas exploring how writers use their viewpoint.	ading skills from Key your ability to read a tion texts. This topic h analysis of ters. wledge of ive language,	Current Learning During your English less explore extracts from a cover a range of text ty studied in this topic ha array of sources, ranging experiences of gorillas mining accidents in Victorescue of the Chilean of 69 days! You will be assessed on AO1: Identify and information and id information and id AO2: Explain, complanguage and struction influence readers, terminology to sup AO3: Compare writing well as how these more texts AO4: Evaluate text appropriate textuaring a cover appropriate textuaring services and services appropriate textuaring services are services and services appropriate textuaring services are services as a coverage and services appropriate textuaring services are services as a coverage and services appropriate textuaring services are services as a coverage and services are services as a coverage are services as a coverage are services as a coverage and services are services as a coverage and services are services as a coverage are services as a coverage and services are services as a coverage are services as a coverage are services as a coverage and services are services as a coverage and services are services as a coverage and services are services as a coverage are services as a co	isons this half term, you will a range of non-fiction texts to ypes and contexts. The extracts we been selected from a vasting from attitudes and in the 19 th and 21 st centuries, to ctorian times and the more recent miners trapped underground for the following skills: interpret explicit and implicit eas ment on analyse how writers use cture to achieve effects and using relevant subject oport their views ters' ideas and perspectives, as are conveyed, across two or	Subsequent Learning You will continue to study non-fiction reading and writing in Year 11. GCSE English Language Component 2 requires students to analyse and compare non-fiction sources from the 19 th Century and 21 st century texts. The analytical skills required for success in your English Literature exam are also transferable to the reading section of your Language exam so it is important to recognise the similarities in skills you need to demonstrate across all aspects of English study.
Lesson Sequencing		Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
Week 1: Introduction to GCSE English Language Component 2 Section A. Week 6: Exploration of questions 5 and 6 on the June 2019 exam paper.		Metaphor Simile Modal Verbs Alliteration	A great way to practice reading non-fiction texts is by reading news articles online. The Guardian and the BBC News	 YouTube is a wonderful resource for English revision. Search 'BPC English' for a range of revision and tutorial videos on the Eduqas English
Week 2: Exploration of questions 1 – 4 on the November 2020 exam Week 7: Exploration of questions 1 and 2 on the November		Direct Address Facts Opinions Rhetorical Questions	websites are both free to access.	Language specification.

Week 3: Exploration of questions 5 and 6 on the November 2020 exam paper. Week 4: Exploration of	Week 8: Exploration of questions 3 and 4 on the November 2019 exam paper. Week 9: Assessment	Emotive Language Statistics Triplication Hyperbole Anecdote	Online travel blogs are also useful for analysing and understanding how writers use language and structure in nonfiction texts.	, v	The BPC English website also provides videos, resources and PowerPoints that you can access and download: www.bpcenglish.wordpress.com
questions 1 and 2 on		Imperatives	Useful websites:		Visit the Eduqas website and read the
the June 2019 exam		Repetition	Home - BBC News		exam specification and browse through
paper.		-	 News, sport and opinion 		past exam papers: GCSE English Language
Week 5: Exploration of			from the Guardian's UK	1	<u>Eduqas</u>
questions 3 and 4 on			edition The Guardian		
the June 2019 exam			 BBC Bitesize 		
paper.					



Year 10 Learning Maps - Half Term 1

	Power and Conflict Poetry Anthology						
Prior Learning		Current Learning	Subsequent Learning				
This topic builds on your knowledge of		In this topic you will extend your knowledge of how to	This topic will prepare you for further literature				
poetry, as studied through	nout Year 8 when	effectively analyse poems and make comparisons to other	study in Year 11. You will study both Unseen				
looking at unseen poetry a	and the war	poems. You will also learn how to structure your ideas	Poetry and Poetry Anthology at GCSE.				
poems you studied at the	end of Year 9.	using the 'what-how-why' analytical process, to develop a					
You will revisit and apply		sophisticated and fluent writing style.	You will be required to demonstrate the ability to				
of poetic devices through	the in-depth		analyse quotations and language/structural devices				
study of both language an	d structural	This topic will also allow you to develop your knowledge of	used in poems, by showing your understanding of				
features.		the ways in which literature can be used to display how	how the poet wants the reader to feel, and the				
		social and political issues from the past are still relevant	ways in which the context of the time the poem				
You will also be able to us	(27)	today, in contemporary warfare.	was written influences the issues writer explores.				
understanding of how cor			This unit will be particularly important to				
content of the poems. Fro		Furthermore, you will have the opportunity to develop a	supporting your preparation for both English				
the impact of attitudes in		deeper understanding of poems through the in-depth	Literature papers, as they require you to be fluent				
to 21st century conflict, yo	And the same of the same of the same	study of each poem individually and in making links to	with your analysis of language/structure, whilst				
knowledge gained in KS3	50 M GHA 17	similarities and differences with other poems. Exploring	also retaining knowledge of how contextual links				
of An Inspector Calls, Rom	neo and Juliet and	the context, and how it links to others in the collection is	can influence a text and the writer's intentions.				
a range of poetry.		essential to success with this section of your GCSE exam.					
Lesson Sequencing	Tier 3	Extended Learning	Parental/carer support:				
	Vocabulary						
Week 1: The Prelude by	Assonance	All students in Year 10 have access to the following	Learn about the industrial revolution:				
Wordsworth	Consonance	revision website using their school email to login. This	https://www.youtube.com/watch?v=vizSn5_uZNg				
Week 2: Storm on the	Sibilance	platform is also used for weekly homework:					
Island by Heaney.	Stanza		Learn about the Troubles in NI:				
Week 3: Essay writing	Irregular rhyme	GCSEPod – Short revision Pods (video clips) that	https://www.youtube.com/watch?v=IHLYeBtGvOg				
skills - comparison	Futility	cover all aspects of each poem in the anthology:					
Week 4: My Last	Enjambment	GCSEPod	Learn about the Marriage Market in Victorian				
Duchess by Browning	Caesura		times:				
Week 5: Tissue by	Onomatopoeia		https://www.youtube.com/watch?v=WZY22yJhd_				
Dharker	Structure		<u>M</u>				
Week 6: The Emigree by	Form						
Rumens	Anaphora						

Week 7: Essay writing	Epistrophe	Learn about the British Colonisation of the
skills - comparison.		Caribbean:
Week 8: Checking out		https://www.youtube.com/watch?v=qKqPoFbT9xE
me History by Agard	1	
Week 9: Assessment		Search for Mr Bruff on YouTube to see his detailed
		analysis of all of the Power and Conflict poems!





Y10 AOA - 3.1	- The Challer	ge Of Natural	Hazards - Natural	hazards
120 11001 312	THE CHAILCE	Sc Ollivatara	Huzulus Hutulu	HULUIUS

Prior Learning

This topic builds on your knowledge from KS3, particularly your knowledge of tectonic processes, Earth structure and volcanic and seismic activity.

Finally, it builds upon map, statistics/maths and graphical skills linked to hazards.

Current Learning

In this topic you will learn about how natural hazards pose a risk to people and property, including earthquake and volcanoes with named examples/case studies of these hazards to then explore how they are managed.

This topic is important for you to develop your geographical skills and case study application in extended geographical writing. You will also cover specific hazard mapping and hazard statistical analysis.

Subsequent Learning

This topic provides the basis/starting point for living with the physical environment content. Exploring the dynamic nature of physical process and systems and how humans interact with these in a variety of places at a range of scales.

The topic will also equip you with the skills you need to be successful in **Paper 1** and **3** of your Geography GCSE

	analysis.		
Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
Natural Hazards	Adaptation	Students will be given exam style	You could watch the following documentaries
Earthquakes	Air Pressure	questions or revision homework	with your child:
Volcanic eruptions	Climate change	weekly to complete to help support	
Responses to tectonic hazards LIC	Conservative	retrieval and application of the course	There are many documentaries on tectonic
Responses to tectonic hazards HIC	Constructive	content learnt in lesson.	hazards mainly covered by the BBC,
Management of tectonic hazards	Destructive	Please encourage your child to	For example - A perfect planet – a BBC
Management of tectonic hazards	Earthquake	complete this.	documentary series with an episode on
79901	Eruptions		volcanoes.
Weather Hazards	Hazard	Wider Reading Opportunities: These	
Global atmospheric circulation	Monitoring	books are engaging and fascinating	YouTube:
Tropical Storms – Distribution	Plate Tectonics	reads:	Any YouTube videos focused on Tectonics,
	Prediction	The science of natural disasters by	earthquakes/volcanoes.
	Primary effect	Diane C Taylor	BBC Bitesize supportive reading and quizzes,
Tropical Storms – Links to global	Protection		The challenge of natural hazards - GCSE
atmospheric circulation	Responses	These are challenging, but captivating	Geography Revision - AQA - BBC Bitesize
	Risk	reads:	
Tropical Storms – How climate change	Saffir-Simpson Scale	At Risk: Natural Hazards, People's	Weather and Climate - Met Office - Learn About
can affect tropical storms	Secondary effect	Vulnerability and Disasters by Piers	Weather - YouTube
Tropical Storms – Case study	Tropical Storms	<u>Blaikie</u>	
Tropical Storms – Management	Typhoons		Past climate and present and future climate
	Volcanoes		change: Time for Geography Climate Change

Health & Social Care

Year 10 Learning Map - Half Term 1

Year 10 BTEC Level 1/2 Health and Social Care: Human life span and development

Prior Learning

This is a new qualification where there will be no specific prior knowledge. However, knowledge and understanding from KS3, science and PSHE lessons in regard to the reproductive system, diet and nutrition and relationships will tie into the start of this course.

Current Learning

In this topic you will be introduced to what H&SC is all about. Component 1 Learning Aim A provides students with a comprehensive overview of human development across the lifespan and the various factors that can influence an individual's growth and development. Students will gain further knowledge on the stages of development from infancy to later adulthood. Gaining an understanding of the physical, intellectual, emotional and social development during this time. Students will start to explore a range of factors that will affect growth and development, such as environmental and economic factors, serving as a foundation for understanding the complexities of health and social care needs at different life stages.

Students will develop the skills and attributes needed to complete their component 1 task 1 PSA. They will develop the skills to interpret and determine the needs of case studies. Skills in application will start to develop during this time to ensure students are prepared for this completion.

Pearson Set Assignment is 30% of students overall grade contributing to their end of year 11 final grade.

Subsequent Learning

Students will continue to explore a range of factors that will affect growth and development, such as environmental and economic factors, serving as a foundation for understanding the complexities of health and social care needs at different life stages. Then moving on to Learning Aim B; understanding how individuals deal with life events. This will allow prior knowledge to continue and be applied to the effects of both positive and negative life events and the strategies in coping with these.

Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can
			support
Introduction to Health and Social	Life stages	A great way to prepare for the PSA (Internal	YouTube is a wonderful resource for
Care and the different life stages	Growth &	Controlled assessment) is by practise typing	H&SC revision.
from infancy to later adulthood	development	skills and application of knowledge. Students	If you search H&SC Level 1/2 tech
Physical development: Changes in	Classification	will receive practice assessment questions to	award, and a number of supportive
body structure, motor skills, and	Fine/ Gross Motor	gain an understanding of how to apply	tutorial videos are available.
physical capabilities throughout	Skills	knowledge within this setting.	The following link allows you to
the lifespan	Milestones		explore through a range of videos the
Intellectual development:	Menopause	YouTube videos, blogs and the news are also	structure and expectations of the
Cognitive changes, language	Oestrogen	useful for wider understanding of growth	course, along with a breakdown of
development, and problem-solving	Testosterone	and development and life factors that could	each component.
skills across different life stages	Cognitive	impact development.	

Linguistic		BTEC Bitesize- External Assessment
Chronic	Wider reading opportunities link to the	FAQs- BTEC Tech Award (2022) Health
Physiological	theories behind development:	and Social Care (youtube.com)
Inheritance	Piaget's stages of development	
	Bowlby's attachment theory	You could also watch a number of
	Bowlby's maternal deprivation	documentaries of child development
		such as:
	Homework- Set once a week	Britain's poorest kids
	All homework will tie in with preparation for	Britain's Poorest Kids (youtube.com)
	the PSA, they will be required to research	
	and make notes to support their completion	Britain's Homeless kids
	of the PSA. Students will develop a wider	Britain's Homeless Kids Dispatches
	knowledge and understanding of the life	Channel 4 Documentaries (youtube.com)
	stages and the PIES development in each key	
	area.	
	Chronic Physiological	Chronic Physiological Inheritance Piaget's stages of development Bowlby's attachment theory Bowlby's maternal deprivation Homework- Set once a week All homework will tie in with preparation for the PSA, they will be required to research and make notes to support their completion of the PSA. Students will develop a wider knowledge and understanding of the life stages and the PIES development in each key





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Prior	ear	ning

This topic builds on the knowledge you gained in Year 9 when you learned about discrimination faced by different groups in Britain, South Africa and Cambodia.

It also builds upon your foundational knowledge of the experiences of enslaved black people in America.

Finally, it builds upon the source inference and analysis skills you gained throughout Key Stage Three.

Civil Rights Movement (Part 1)

Current Learning

In this topic you will learn about the development of the Civil Rights Movement in the USA between 1954 and 1960. You will learn about the position of black Americans in the early 1950s, and how there was some progress in racial equality in this decade. You will also learn about the actions of some pro and anti-Civil Rights Groups and leaders.

This topic is important for you to develop your historical skills and knowledge because it will help you compare and contrast the experiences of black people in later decades, and enhance your source inference and analysis skills.

Subsequent Learning

This topic provides the basis/starting point for a later study on the Civil Rights Movement in the 1960s and 1970s. You will assess the impacts of protest, and see how much progress was made in gaining racial equality.

You will continue to develop your source analysis skills, and be able to compare and contrast the interpretations of historians in future topics.

The topic will also equip you with the skills you need to be successful in Paper 3 and of your History GCSE.

Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
What was the position of black people	Boycott	Students will be set retrieval or revision	You could watch the following
in America in the early 1950s?		homework every week on Forms.	documentaries with your son/daughter:
What were the key features of the	Desegregation	Please encourage your child to	
Brown v Topeka case?	Discrimination	complete this.	Netflix:
How significant were the events at Little	Discrimination		**************************************
Rock?	Dixiecrats	Revision Guides are available via Teams.	13 th
What were the impacts of the	Statute of the state of the sta	These contain a summary of the	
Montgomery Buy Boycott?	Enfranchise	content and a range of tasks which are	
Who campaigned for equal rights?		worth doing to cement knowledge.	
	Federal Government	Marian Control of the	YouTube:
Who opposed the Civil Rights	Siliborator	These books are engaging and	
Movement?	Filibuster	fascinating reads:	Hope and Fury: MLK
How much progress had there been in	Legislation	History of the USA, 1954-75 by Edexcel	The Rise and Fall of Jim Crow
the Civil Rights Movement by 1960?	Organisations	Revise Edexcel GCSE History – The USA	
	Segregation	by Pearson	





Year 10 Creative iMedia Learning Map

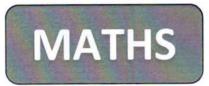
Topic Number:1

		Topic Ti	tle: R094 Digital Graphics		
the Year 8 use of prep builds upor	builds on prior knowledge from unit Digital Graphics and the production documents. It also n knowledge of target and business branding.	graphic. This will inclu concept sketches. Th The work produced for	will learn how to create a visual identity for a digital linclude creating mindmaps, moodboards and s. These will be related to real world case studies. ced forms part of Unit R094: Visual identity and Here pupils produce a range of media products Subsequent Learning This topic will prepare you practical work in the unit examination component Creative iMedia in the mindustry.		ic will prepare you for further I work in the unit and the ation component RO93: a iMedia in the media
Lesson Sec	quencing	Tier 3 Vocabulary	Extended learning		Ways in which parents/carers can support
Lesson 1 Lesson 2	Logo creation Business Name creation	Audience Assets Business name	Pupils are set weekly homework tasks using 'knowitallninja'.		Please encourage pupils to compete their weekly homework on
Lesson 4	Slogan Name Report justifying design choices	Concept sketch Identity	These are short recap tasks based on examination content.		knowitallninja.
Lesson 5	Mind map	Logo	https://www.knowitallninja.com/	ah tauta	Cambridge Nationals -
Lesson 6 Lesson 7	Mood board Concept Sketch	Mind map Mood board	You will be given knowledge organisers for ear or set work through OneNote to consolidate	CONTRACTOR	<u>Creative iMedia Level 1/2 - J834 - OCR</u>
Lesson 8	Visualisation diagram	Report Slogan Strap Line Visualisation diagram	learning in lessons. In addition, if you wish to complete further revision you can access GCSE Pod and Seneca for videos, test and extended reading. Extended reading: Clear revise: OCR Creative iMedia Cambridge National in Creative iMedia Digital Student Book (2 Years)		





是 12		Perimeter, ar	ea and volume			
Prior Learning		Current Learning		Subsequen	t Learning	
This topic builds on students' prior knowledge of measuring lines and 2D shapes, multiplying and dividing by powers of 10, finding area and volume or		units of measurement. F	units of measurement. Find area, perimeter, and volume of basic and compound shapes by		This topic prepares you to be able to identify ar measure both 2D and 3D shapes which will be called upon in further maths topics, in addition being essential for real life problem solving.	
volume, and merpreting scales of me	asarcine in	Teedining and asing form	uiu.	being esser	icial for real life problem solving.	
Lesson Sequencing	Tier 3 Voca	abulary	Extended Learning		Ways in which parents/carers	
Lessons will address the following learning objectives in the order most effective for the class' needs:	Triangle Rectangle Parallelogra Trapezium Area Perimeter Formula Length Width Prism Compound Measureme Polygon Cuboid Volume Symmetry Units Vertices Face Conversion	ent	All students have access Mathswatch and are end complete the weekly hor that is automatically set. Recommended revision to be found here: CGP Foundation Revision Wider Reading: This is not a mat by Anna Weltma	couraged to mework guides can n guides	 can support Support your child's progress through: MathsWatch- to complete homework and access further revision. Corbett Maths - for extra support videos and work on the topics stated. Maths Genie - for exam questions, videos and solution on the topics stated 	





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Ratio	and	prop	orti	on

Prior Learning

This topic builds on students' prior knowledge of the four operations of number and the students' basic understanding of fraction as being 'part of a whole'.

Current Learning

In this topic you will learn how to write, simplify, interpret ratio and how to share into a ratio from a given amount.

You will also learn all about direct and inverse proportion.

Subsequent Learning

This topic prepares you to be able to continue a mathematical learning path and lends its self to other subject too such as economics, science and food technology, in addition to day to day tasks e.g. cooking or baking.

Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
Lessons will address the following learning objectives in the order most effective for the class' needs:	 Ratio Proportion Share Parts Fraction Function Direct proportion Inverse proportion Graphical Linear Compare 	All students have access to Mathswatch and are encouraged to complete the weekly homework that is automatically set. Recommended revision guides can be found here: CGP Foundation Revision guides	Support your child's progress through: • MathsWatch- to complete homework and access further revision. • Corbett Maths - for extra support videos and work on the topics stated. • Maths Genie - for exam questions, videos and solution on the topics stated

MATHS

Higher - Solving quadratic and simultaneous equations and inequalities

Prior Learning

This unit builds on prior knowledge learnt in Y7-9 solving equations and working with quadratics. You will also use your prior knowledge of quadratic and linear graphs, applying this to simultaneous equations.

Current Learning

In this topic, you will learn how to solve linear and non-linear (quadratic) simultaneous equations both graphically and algebraically. You will also revisit solving and plotting inequalities on a number line, extending this towards inequality regions.

Subsequent Learning

This topic will prepare you for a subsequent units including inequality regions. You will interleave your skills in solving simultaneous equations with a range of upcoming topics such as circle theorems to access AO3 problems.

Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
Lessons will address the following learning objectives in the order most effective for the class' needs: Solve and plot inequalities on a number line Solve simultaneous equations graphically Solve linear simultaneous equations algebraically Solve non-linear (quadratic) simultaneous equations algebraically Plot inequality equations on a graph and find regions that satisfy multiple inequalities	Algebraically Graphically Inequality Linear Non-linear Quadratic Satisfy Simultaneous	All students have access to Mathswatch and are encouraged to complete the weekly homework that is automatically set. Recommended revision guides can be found here: CGP Revision guides - higher tier	Support your child's progress through: • MathsWatch- to complete homework and access further revision. • Corbett Maths - for extra support videos and work on the topics stated. • Maths Genie - for exam questions, videos and solution on the topics stated



1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Year 10 Lear	ning Map: HT1	
Prior Learning: You have previously used a Digital Audio Workstation in Key Stage 3 to create compositional work. You are familiar with using software and audio tracks and editing features.	Current Learning: You will of understanding of the techn Audio Workstation and ass software features that allow and record musical materia You will develop your under responsibilities in the Musi health and safety in the musical	nical features of a Digital ociated hardware and w you to edit, develop al. erstanding of roles and c industry as well as	Subsequent Learning: Musical understanding. You will begin by developing and refamiliarising your understanding of the elements of music. You will then develop your understanding of the key features of styles and genres from the 1950s to the current day to give you the knowledge and understanding to analyse and compose in different popular styles.
Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
You will understand how hardware and	Configuration	You have access to our	Support your child's progress through:
software work in combination as a	MIDI	subscription to Focus on	Focus on Sound and then log on using their
digital audio workstation (DAW).	Audio	Sound. Click on Focus	Microsoft Teams account.
You will also develop your understanding of how DAW software is used to record and edit audio and MIDI. You will complete practical workshops applying your understanding of the software functions you have learnt. You will also develop your understanding of health and safety.	Interface Software Hardware Peripherals Editing Automation Synthesizer Sampler Envelope editing Filters	on Sound and then log on using your Microsoft Teams account. Alternative reading opportunities: Essential guide to using a DAW	Accessing their Microsoft Teams for directed exercises on current topics. Encourage your child to play their instrument. Alternatively, if your child has expressed an interest in instrumental lessons, please contact Mrs Claire Moran Curriculum Leader: Performing Arts) via the Contact Us facility of our school website for more information.
You will be set a weekly home learning task where you will develop your	Mapping Velocity Quantization		

understanding of the following roles	Equalization EQ		
and responsibilities in the music	Modulation		
industry.	Effects		
 musical artist 	Dynamic		
 composer/songwriter 	Plugin		
 lyricist 	Mixing	-	
 arranger 			
 session musicians 			
 sound designer 			
• DJ			
 producer 			
 technician 			
 engineer 			
 manager 			
 publicist 			
 artist and repertoire (A&R) 			
You will then develop your			
understanding of how music technology		-	
has developed over time and how this			
has affected creative practice, music			
production and consumer access.			



KS4 Learning Map

Topic: Alternative Games

Prior Learning: Students have completed
units of work in KS3 which focused on skill
development, tactics and understand and
analysis of performance in some of the
more traditional sports.

Current Learning: Students will learn more sport specific skills linked to each of the games. They will then be given the opportunity to practise and perfect techniques and game play whilst fostering a love for sport.

Subsequent Learning: This topic will develop student skills to work with others using communication skills, negotiation tactics, empathy and compromise whilst allowing them to practice skills such as resilience and application to allow them success in their sport. We also aim to give students a better idea of sport beyond school, what that looks like and how they can access it.

Units covered over the	vear: Table tennis	. dodgeball	. badminton	tchoukball	. vollevball.	rounders
Office Covered Over the						

Lesson Sequencing – Each unit will follow a similar sequence		lier 3 Vocabulary Extended Reading		Ways in which parents/carers can support
Lesson 1	Introduction of game and key rules linked to modified games	Analysis Attack Defence	1.Too Many Reasons to Live: Rob Burrow 2.Why we kneel how we rise:	 Let students play sport Give them opportunities to get involved in local teams
Lesson 2	Learning of new skills and modified games	Formation Official	Michael Holding 3. All in: Billie Jean King	- Support in attending school teams and competitions.
Lesson 3	Introduction of tactical game play	Tactics Umpire	4. Stronger: Poorna Bell5. My life: Queen of the court:	
Lesson 4	Tactical game play		Serena Williams 6. Unbelievable: Jessica Ennis	
Lesson 5	Tactical play and analysis of performance to aid improvement		o. ozoorazier yessied Eliilis	

Pathway: Alternative Games



KS4 Learning Map

Topic: Boys Games

		Pathway:	Boys games		
Prior Learn	ning	Current Learning		Subsequent Learning	
Students have completed units of work in KS3		Students will develop their	r skills to	This topic will develop	student skills to work with others
	sed on skill development, tactics stand and analysis of performance.	each of the games to allow practise and perfect techni		70	skills, negotiation tactics, empathy and owing them to practice skills such as
	,	game play whilst fostering			ion to allow them success in their
		sport.		sport. We also aim to	give students a better idea of sport
				beyond school, what t	hat looks like and how they can access
				it.	
Units covered over the year: Football, basketball, rugby, flag football, dodgeball, handball, rounders					
Lesson Sec	quencing – Each unit will follow a	Tier 3 Vocabulary	y Extended Reading		Ways in which parents/carers can support
	Recap of skills learnt at KS3	Analysis	1.Too Many	Reasons to Live: Rob	- Let students play sport
Lesson 1	through game play	Attack	Burrow		- Give them opportunities to get
Lesson 2	Recap of skills learnt at KS3	Defence	2.Why we kr	neel how we rise:	involved in local teams
Lesson 2	through game play	Formation	Michael Hold		- Support in attending school teams
Lesson 3	Game play to introduce and	Official	3. All in: Billio	of the control of the	and competitions.
revisit factics Tactics			4. Stronger: Poorna Bell		
Lesson 4 Game play to introduce and		Umpire 5. My life: Queen of the co			
LC33011 4	revisit tactics	1	Serena Willia		
Lesson 5	Student led competition		6. Unbelieva	ble: Jessica Ennis	

RIDGEWOOD

KS4 Learning Map

Topic: Dance Fitness

Pathway: Dance fitness						
Prior Learning Students have completed units of work in KS3 which focused on the learning of techniques and skills the students have used to choreograph a phrase into their routines using key aspects such as body tension, use of levels, formations and aspects of canon, unison, retrograde and travel.	Current Learning Students will perform a variety of dance styles through dance and fitness. They will develop their choreography skills to perform as a group or individual in a range of styles and refine their evaluation skills of their own and other performances. They will continue to refine their ability to observe performances and give constructive feedback.	Subsequent Learning This topic will develop student skills to understand their body and what is required to keep a healthy body and healthy mind through the medium of dance and dance related practice. We aim to give students a better idea of sport beyond school, what that looks like and how they can access it in the community or at home.				

Lesson Sequencing – Each unit will follow a similar sequence		Tier 3 Vocabulary Extended Reading		Ways in which parents/carers can support
Lesson 1	Introduction to the method and teaching of key skills needed	Anaerobic Aerobic	1.Too Many Reasons to Live: Rob Burrow	Let students play sportGive them opportunities to get
Lesson 2	Development of key teaching aspects	Cardiovascular Heart rate	2. Why we kneel how we rise: Michael Holding	involved in local teams - Support in attending school teams
Lesson 3	Opportunity to develop and create own routines or personalise training	Muscular Respiratory Skeletal	3. All in: Billie Jean King4. Stronger: Poorna Bell5. My life: Queen of the court:	and competitions.
Lesson 4	Opportunity to develop and create own routines or personalise training	Target zones Time under tension	Serena Williams 6. Unbelievable: Jessica Ennis	
Lesson 5	Reflect upon training and ideas for further development			



KS4 Learning Map

Topic: Fitness

	Pathway: Fitness							
Prior Learning	Current Learning	Subsequent Learning						
Students have completed units of work in KS3 which focused on understanding the importance of a healthy body and a healthy mind. They have completed a unit of health and fitness which covers a variety of training methods.	Students will develop their knowledge and understanding of how to improve their fitness through different mediums and how different practices affect our bodies in different ways.	This topic will develop student skills to understand their body and what is required to keep a healthy body and healthy mind. We aim to give students a better idea of sport beyond school, what that looks like and how they can access it in the community or at home.						

Units covered over the year: Circuits, aerobics, yoga, Zumba, weight training, boot camp Lesson Sequencing - Each unit will follow a Ways in which parents/carers can **Extended Reading** Tier 3 Vocabulary similar sequence support Introduction to the method and Anaerobic 1.Too Many Reasons to Live: Rob - Let students play sport Lesson 1 teaching of key skills needed Aerobic Burrow - Give them opportunities to get Development of key teaching 2. Why we kneel how we rise: Cardiovascular involved in local teams Lesson 2 Michael Holding aspects Heart rate - Support in attending school teams Opportunity to develop and Muscular 3. All in: Billie Jean King and competitions. create own routines or Skeletal 4. Stronger: Poorna Bell Lesson 3 5. My life: Queen of the court: Respiratory personalise training Target zones Serena Williams Opportunity to develop and 6. Unbelievable: Jessica Ennis Time under tension create own routines or Lesson 4 personalise training Reflect upon training and ideas Lesson 5 for further development

RIDGEWOOD

KS4 Learning Map

Topic: Girls Games

		Pathway:	Girls games			
Prior Learning Students have completed units of work in KS3 which focused on skill development, tactics and understand and analysis of performance.		Current Learning Students will develop their skills to each of the games to allow them to practise and perfect techniques and game play whilst fostering a love for sport.		Subsequent Learning This topic will develop student skills to work with others using communication skills, negotiation tactics, empathy and compromise whilst allowing them to practise skills such as resilience and application to allow them success in their sport. We also aim to give students a better idea of sport beyond school, what that looks like and how they can access it.		
Units cove	red over the year: Basketball, footba	ll, netball, dodgeball, handba	all, rounders			
Lesson Sec similar seq	quencing – Each unit will follow a quence	Tier 3 Vocabulary	abulary Extended Reading		Ways in which parents/carers can support	
Lesson 1	Recap of skills learnt at KS3 through game play	Analysis Attack	1.Too Many Burrow	Reasons to Live: Rob	- Let students play sport - Give them opportunities to get	
Lesson 2 Recap of skills learnt at KS3 Defence through game play Formation			2.Why we kneel how we rise: Michael Holding		involved in local teams - Support in attending school teams	
Lesson 3 Game play to introduce and revisit tactics		Official 3. All in: Billie Jean King Tactics 4. Stronger: Poorna Be			and competitions.	
Lesson 4 Game play to introduce and revisit tactics		Umpire 5. My life: Que Serena Willian				
Lesson 5	Student led competition		6. Unbelieva	ble: Jessica Ennis		





Topic Number: 1

		Online L	ife		
Prior Learn	ing	Current Learning		Subsequent Lea	rning
This topic b	ouilds on work that you have looked at	In this topic you will learn how to identify and		This topic will p	repare you for the further learning in
1.5	nd 8 understanding how to stay safe	manage risks to life online. You w	10		ough to the end of year 11. It will allow you
online and	how to ensure you have happy	knowledge and understanding of	specific aspects	to gain a founda	ition of knowledge and understanding of
healthy rela	ationships both in person and	of the law such as the legal status	s of revenge	being safe onlin	e. This will be further developed when we
virtually.		porn and sexual harassment and	what is in place	look at the mod	ule in year 10 and year 11 on healthy
•		to protect people from this. This	module will also	relationships.	
		help you to develop an understar	nding of how to	You will develop	the skills to use knowledge and
		report any risks online and what	process		o form opinions and understand how and
		happens.		why we have th	e laws in place within the UK. You will
		This topic is important to develop	This topic is important to develop a firm		erstanding on how to stay safe and seek
		understanding of what constitute	es the British	help for yoursel	f or those in need to ensure you can
		judicial system and how you, as an individual can navigate life online happily, healthily and safely.		remain happy, safe and healthy from now into adulthood.	
Lesson Seq	uencing	Tier 3 Vocabulary	Extended Learning		Ways in which parents/carers can
1	B. disslication and Enterprises	Contaitation	V		support
Lesson 1	Radicalisation and Extremism	Exploitation Prosecution	You can use ind		Explore the websites such as the NSPCC
Lesson 2	Radicalisation and Extremism		opportunities to		which explain what the risks are to
Lesson 3	Viewing dangerous content online	Criminal Judicial system	the following wo		different apps being used and how to use these safely
Lesson 4	Revenge Porn	Radicalisation	guidelines.	imunity	triese safety
Lesson 5	Sexual Harassment	Pornography	guidennes.		
Lesson 6	Reporting material online	Coercion	Upskirting now	a crime after	Discuss the different places a person can
Lesson 7	Assessment	Discrimination	woman's campa		go if put at risk online and what they can
		Discrimination	woman's campa	iigii - bbc ivews	do to stay safe
			Parents and car	ers CEOP	,
			Education (think	(uknow.co.uk)	





Topic Number: 1

		Does God	exist?			
Prior Learning This topic builds on work that you have looked at in year 8, understanding the different arguments given as to why God does or does not exist. It will strengthen your understanding to apply religious beliefs to arguments around God existence.		Current Learning In this topic you will learn; What the different arguments are for people to not believe in God and how a religious person would respond to these issues to still further believe in God or as proof to no longer believe in God. This topic will allow you to deepen your understanding on the challenges to God's existence and how science and religion can coexist. You will formulate your own opinions on these issues and discuss and understand the beliefs and opinions of your peers and religious believers.		Subsequent Learning This topic will prepare you for; Understanding different "unanswerable questions" which arise and how individuals or those around view these and the answers they believe to be true. This topic will equip you with the knowledge and understanding to engage in meaningful conversation and make informed decisions on different religious and scientific issues. You will develop an understanding on key religious theologies that you can apply in the modules on religious rites of passage and the importance of human life but also in life beyond Ridgewood to help you understand those around you.		
Lesson Sec	quencing	Tier 3 Vocabulary	Extended Learn	ing	Ways in which parents/carers can support	
Lesson 2 Lesson 3 Lesson 4 Lesson 5 Lesson 6 Lesson 7 Lesson 8 Lesson 9	First Cause Argument/design argument Big Bang/Evolution Creation stories Miracles – strengths and weaknesses Moral and natural evil Is evil proof God does not exist WMD and War The inconsistent triad Assessment	Cosmological Teleological Natural selection Weapons of mass destruction Divine intervention Omnipotent Omnibenevolent Sanctity of life Imago Dei Precepts	You can use ind opportunities to the following w look at key topic this module.	ependent study of engage with ebsites which cs covered in natural suffering of evil and a - GCSE es Revision - size odern warfare - e - CCEA - GCSE es Revision -	Explore the websites such as BBC modern day miracles, ITV news, Sky News and the coverage of wars currently happening to look at topical issues that relate to the presence of God or "unanswerable questions". Discuss the different opinions shared in relation to "unanswerable questions" and also your own opinions and where they come from, encourage open conversation to share opinions and beliefs as a family.	





Theme A: Religion and Family Life

Prior Learning

This topic builds on your knowledge base of key religious beliefs and teachings from KS3 and allows you to apply this knowledge to moral issues surrounding religious views on marriage, relationships, divorce and gender. You will use and apply key teachings and ideas such as the sanctity of marriage and the Christian marriage service, which you studied in the Year 8 topic on Relationships and families, and apply this to issues such as marriage and same sex families for example.

Throughout this topic, you will continue to develop your skills of interpretation and analysis of specific passages from religious texts, allowing you to apply them to the explanation of moral issues and beliefs. You will continue to practise your skill of evaluation.

Current Learning

In this topic you will learn about a variety of religious and non-religious beliefs about issues such as what types of relationships religious believers should be in, whether they should support divorce or cohabitation and the different roles in family life of men, women and children. You will learn about the different social and moral implications of these issues.

You will debate controversial issues such as whether polygamous marriage should be legalised in the UK and whether couples have a responsibility to procreate. You will also discuss the moral and ethical issues associated with humans taking control of their relationships and marital rights. These debates will support the development of your evaluative skills.

Subsequent Learning

This topic will develop your understanding of key religious beliefs and teachings such as the ideas surrounding equality and the Christian teaching of agape that you will use in both further Key Stage 4, and Key Stage 5 RE topics. It will also continue to develop your skills of explanation and evaluation that will be necessary throughout your time in RE at Ridgewood.

Throughout the topic you will be required to demonstrate the ability to analyse key religious quotations and texts and explain how they influence belief and action of religious believers - this is a skill that will continue to be developed throughout your GCSE in RE.

Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
 Human Sexuality Sex before and outside marriage Contraception and family planning The Nature and purpose of marriage Same sex marriage Divorce Cohabitation Polygamy vs Monogamy The Nature of family The Purpose of family Roles in the family Gender equality 	Adultery Cohabitation Contraception Divorce Homosexuality Marriage Monogamy Polygamy Procreation Sacrament	Every 2 weeks you will be set an assignment on GCSE Pod which will consist of revision videos to watch and summarise and questions for you to complete. In addition, if you wish to complete further revision you can download revision activity booklets from Teams. These include retrieval tasks, exam style questions and revision notes to support your learning. A printed copy can also be collected from your teacher. Wider Reading: You can use independent study opportunities to engage with the following websites about religious views relating to; Marriage and Divorce: Marriage - Marriage and divorce - GCSE Religious Studies Revision - BBC Bitesize Family life: What types of family are there in the UK? - Family life - GCSE Religious Studies Revision - BBC Bitesize	Watching or reading the news regularly with your children will supplement the learning taking place within this topic, as they will be able to link their learning to recent issues that are happening in society, to issues within relationships and families.





Topic Number: B2

			Human and pla	nt organisation	
Prior Learning This topic builds on students' prior knowledge from Key Stage 3, deepening their understanding of the organisation of the human body, particularly the function of the respiratory & digestive system. It also builds on KS3 understanding of key plant organs that enable the plant to survive. Current Learning In this topic you will learn the structure and function of the organs of the respiratory & digestive system. You will also learn about the function of enzymes and how changing conditions alters their function. You will learn about the different plant organs that are essential to survival and the effects that deforestation have on our planet and atmosphere.				Subsequent Learning This topic will prepare you for photosynthesis, respiration and homeostasis in subsequent topics.	
Lesson Sequencing (lessons highlighted in green represent subject content for only higher tier science students)		Tier 3 Vocabulary	Extended learning	Ways in which parents/carers can support	
Lesson	Spec code	lesson title	Lock & Key hypothesis Respiratory system	All students have access to Educake, myGCSE science and GCSEpod and are	Support your child's progress through: • Educake - to complete homework and
1 2 3 4 5 6 7	4.2.1 4.2.2.1 4.2.2.1 4.2.2.1 4.2.2.1 4.2.2.1 4.2.2.1 4.2.2.1	Principles of organisation Human digestive system Food tests Food tests RP Lock and key hypothesis Bile Enzyme optimums Enzyme optimums RP5	Atrium Ventricle Aorta Pulmonary Stomach Enzyme Amylase Protease Lipase	encouraged to complete fortnightly the homework set by their teacher. Extended learning:	 access further revision myGCSE science - for extra support videos and work on the topics stated GCSEpod - for extra support videos and work on the topics stated Accessing their Microsoft Teams work for directed exercises on current topics
9	4.2.2.2	Human heart and gas exchange Blood vessels	Amino acids Lipids	Fearless Pioneers Who Changed the World – Rachel Ignotofsky	
10 11 12 13	4.2.2.3 4.2.2.4 4.2.2.5&6	Composition of blood CHD & FA Health issues & lifestyle	Proteins Carbohydrates		
14	4.2.2.7	Cancer			





Topic Number: C2

		Bonding	and properties	
Prior Learning This topic builds on students' prior knowledge from chemistry topics, deepening their understanding of compounds and how atoms are joined together to form them.		Current Learning In this topic you will lear bonding; how to recogni states of matters; prope substances; the properti	Subsequent Learning This topic will prepare you for the rest GCSE combined chemistry, giving you a fundamental understanding of the different types of compounds and thei properties.	
Lesson Sequencing (lessons highlighted in green represent subject content for only higher tier science students)		Tier 3 Vocabulary	Extended learning	Ways in which parents/carers can support
1	Chemical bonding	Atom	All students have access to Educake and	Support students to access Educake and
2-3	Ionic bonding	Electron	are encouraged to complete fortnightly the homework set by their teacher.	complete their homework, but also to complete additional quizzes on areas the
4	Properties of ionic compounds	Ionic bond	the nomework set by their teacher.	student is struggling.
5	Covalent bonding	Covalent bond Metallic bond	Wider reading:	VC2 Davidian Colidar adams the state of
6	Properties of small molecules	Lattice	CGP revision guides	KS3 Revision Guides and Workbooks are available on parent pay.
7	Metallic bonding	Intermolecular force	"What's the Matter?" by Tom Adams	
8	Properties of metals and alloys	Polymer Monomer	and Thomas FlinthamIs There	Ensure students are accessing Microsoft teams to complete work directed by
9	Corrosion and its prevention	Electrostatic	Anybody Out There? (Dara O'Briain)	their teachers if absent from lesson.
10	3 states of matter	Delocalised Fullerene	Seven Elements That Have Changed The	
11		Graphite	World (John Browne)	
	Polymers	Graphene	"Molecules: The Elements and the	
12	Diamond and graphite	Alloy	Architecture of Everything" by	
13	Graphene and fullerenes		Theodore Gray	
14	Nanoparticles			





Topic Number: C3

		Quantitative of	hemistry				
understanding	ds on students' of the conserv	prior knowledge from Key Stage 3, deepening their vation of mass.	Current Learning In this topic you will learn about: what the conservation of mass is; how to balance symbol equations; what moles are and how to calculate moles; and then apply your new knowledge of moles to a variety of different problems.			chemistry should you choose to study A leve Chemistry	
Lesson Sequei	ncing		200220 20	Tier 3 Extended learning Vocabulary		Ways in which parents/carers can support	
Lesson number	Spec code	Lesson title	Avoga		All students have access to Educake, myGCSE science and	Support your child's progress through:	
1	4.3.1.1/3	Conservation of mass	Moles		GCSEpod and are encouraged to	• Educake - to	
2	4.3.1.1	Balancing symbol equations	Conve	rsation	complete fortnightly the	complete	
3	4.3.1.2	Mr and percentage mass	of mas	SS	homework set by their teacher.	homework and	
4	4.3.2.1	Moles				access further	
5	4.3.2.2	Amounts of substances in equations			Extended learning	revision	
6	4.3.2.3	Using moles to balance equations			CGP revision guides	myGCSE science	
7	4.3.2.4	Limiting reactants			https://www.britannica.com // // // // // //	for extra support	
8	4.3.2.5	Concentration of solutions			/biography/Amedeo-	videos and work	
9	4.3.3.1	Percentage yield			Avogadro	on the topics	
10	4.3.3.2	Atom economy			Physics and maths tutor Educake	stated	
11	4.3.2.5	Concentration of solutions			Luucake	 Accessing their Microsoft Teams 	
12	4.3.3.1	Percentage yield				work for directed	
13	4.3.3.2	Atom economy				exercises on	
14	4.3.3.4	Using concentrations				current topics	
15	4.3.5	Volumes of gases + FA				carrent topics	





Topic Number: P3

Particles Partic								
Prior Learning This topic builds on students' prior knowledge and understanding of rearranging equations to find the term you require. Lesson Sequencing			Current Learning In this topic you will lead materials.	Subsequent Learning This topic will support your understanding how to rearrange equations.				
			Tier 3 Vocabulary Extended learning		Ways in which parents/carers			
Lesson number	Spec code	lesson title	Density Specific latent heat Specific heat capacity	All students have access to Educake, myGCSE science and GCSEpod and are encouraged to	Support your child's progress through: • Educake - to complete			
1	4.3.1.1	Density	Weight	complete fortnightly the	homework and access			
2	4.3.1.1	RP5	Mass	homework set by their teacher.	further revision			
3	4.3.1.1 4.3.1.2 and 4.3.2.1	RP5 Changes of state and kinetic theory		Extended learning: • CGP revision guides	<u>myGCSE science</u> - for extr support videos and work on the topics stated			
5	4.3.2.1 and4.3.2.3 4.3.3.3 to	Specific latent heat		A short History of Nearly Everything - Bill Bryson	GCSEpod- for extra supporting videos and work on the topics stated			
6 7	4.3.3.3 4.3.3.3 to 4.3.3.3	Particle motion in gases and FA Pressure in gases		 The Quantum Universe: Everything that can happen does happen – Brian Cox and Jeff 	 Accessing their Microsoft Teams work for directed exercises on current topic 			
				Forshaw The Grand Design – Stephen Hawkin and Leonard Mlodinow				





Topic Number: P4

		Atomic	structure		
Prior Learning This topic builds on students' prior knowledge of the structure of the atom and the subatomic particles.			of an atom and then lead to dev	will then investigate the structure discover what isotopes are. This will weloping your understanding of the of radiation and its uses.	Subsequent Learning This topic will support your chemistry knowledge of the structure of an atom.
Lesson Sequencing		Tier 3 Vocabulary	Extended learning	Ways in which parents/carers can support	
Lesson number	Spec code	lesson title	Fission Fusion Atom	All students have access to Educake, myGCSE science and GCSEpod and are encouraged to	Support your child's progress through: • Educake - to complete
1	4.4.1.1 and 4.4.1.2	The structure of the atom and isotopes	Proton Neutron	complete fortnightly the homework set by their teacher.	homework and access further revision
2	4.4.1.3	Development of the model of the atom	Electron		 myGCSE science - for extra
3	4.4.2.1	Radioactive decay and nuclear radiation	Isotope	Wider reading:	support videos and work
4	4.4.2.2	Nuclear equations	Alpha	CGP revision guides	on the topics stated
5	4.4.2.3	Half lives and random nature	Beta Gamma	A short History of	GCSEpod- for extra suppor
6	4.4.2.4	Radioactive contamination	Half life	Nearly Everything - Bill Bryson	videos and work on the
7	4.4.3.1	Background radiation	Tidii iiic	The Quantum Universe:	topics statedAccessing their Microsoft
8	4.4.3.2 and 4.4.3.3	Uses of nuclear radiation		Everything that can happen does happen –	Teams work for directed exercises on current topics
9	4.4.4.1 and 4.4.4.2	Fission and fusion		Brian Cox and Jeff Forshaw	exercises on current topics
10	4.4.4.1 and 4.4.4.2	Nuclear reactions and FA		 The Grand Design – Stephen Hawkin and Leonard Mlodinow 	





Topic Number: 1

		Theme 1, Unit 1: Me, N	1y Fan	nily & Friends		
Prior Learning This topic builds on what students have learnt at Key Stage 3. It will include previously learnt grammar and high frequency vocabulary and will build on this, focussing on reflexive verbs, direct and indirect pronouns, the immediate future and the future tense.		Current Learning In this topic you will learn about how to about getting on with others, describing family and friends, talking about future relationships and discussing future relationship choices.	g	Subsequent Learning This topic will prepare you for becoming a more confident speaker of Spanish as the vocabulary and grammar that we I will be used in other topics. After this unit of work we move to the topic of healthy living, so knowledge of opinions and talking in different tenses will be crucial as will being able to a balanced argument.		
Lesson Sequencing		Key Vocabulary	Extended Learning		Ways in which parents/carers can support	
Week 1	Grammar and high frequency vocabulary recap	Soy- I am Estoy- I am Tengo- I have	1997	learning will be weekly ulary tests based on quizlet	To build more cultural awareness and develop language skills, you can visit BBC Bitesize to watch short	
Week 2	Describing yourself	Hay- There is			clips on different topics.	
Week 3	Personality	Ser- to be (descriptions)	15/9508158/AS	er additional revision		
Week 4	Physical appearance	Estar- to be (emotions and location)	1.0	rces will be provided ahead	Encouraging students to watch films	
Week 5	Friends	Mi Familia- my family	of asse	essments.	or TV shows in Spanish on Netflix or	
Week 6	Family	Mis amigos- My friends			other streaming services	
Week 7	Revision week	Llevarse bien con- to get on well with				
Week 8	Assessment Week				Helping students to practise vocabulary each week in preparation for a vocabulary test	

Sports Science

Year 10 Learning Map - HT1

P	r	io	r	L	ea	ar	'n	i	n	g

Building on prior knowledge of exercising safely and conducting appropriate warm ups through KS3 practical PE, you will have to opportunity to develop these skills to make them personal and sport specific.

Through lessons in health and fitness you will have demonstrated the different types of fitness testing as well as the multiple methods and exercises to train as an athlete.

Current Learning

R180 – Reducing the risk of injuries – Topic 1: Different factors that affect the risk and severity of injury.

R181 – Task 1 - During this topic you will learn about the different components of fitness and complete fitness tests.

Subsequent Learning

R180 – Reducing the risk of injuries – Topic 2: Warm up's and cool downs.

R181 – Task 2 - During this topic you will learn about the principles of training and devise then complete your own skill based tests related to a sport of your choice.

Lesson Sequencing		Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
Week 1	Introduction to the course	Agility Balance	Homework is set weekly on PE classroom.	Watching sport and having conversations around which key skills
Week 2	R180: Extrinsic factors R181: Components of fitness	Cardiovascular endurance Components of fitness Co-ordination Muscular endurance Muscular strength Reaction time Speed Power	This can be accessed at Login – The PE Classroom	are needed in different sports and positions.
Week 3	R180: Extrinsic factors R181: Fitness testing			Support coursework deadlines and ensure there are opportunities to
Week 4	R180: Intrinsic factors R181: Fitness testing			complete coursework at home/after school.
Week 5	R180: Intrinsic factors R181: Practical – Fitness testing			Encourage a healthy active lifestyle an support a love of sport.
Week 6	R180: End of unit exam – R180 R181: Type up Task 1 (Deadline 25 th October)			
Week 7	R180: End of Unit Exam – Next Steps R181: Type up Task 1 (Deadline 25 th October)			

BTEC Construction



KS4 Learning Map

Term: Half Term 1

Year 10 - Construction

Component 1

Aim and purpose:

This component will develop knowledge and understanding of processes, terminology and technology used in the construction of the built environment.

Introduction: There are many different types of buildings we can construct and occupy across the UK. This component will initially examine the different forms of construction that can be used for low-rise (up to 5.2) metres in height) offices, retail units and homes. You will examine the modern methods of construction that rely heavily on offsite prefabrication, which benefits the environment sustainably. In understanding how to set up a site you, will examine the information that must be completed before starting work, along with the infrastructure you will need to put in place to run the job efficiently and safely. Sub-structure works are one of the most important parts of a project as they have to safely support the superstructure that rests upon them. Moving above the sub-structure, you will understand the need for provisions to stop damp rising, and the construction associated with the superstructure of a building. This is the part that has to be aesthetically pleasing, keep out the weather elements and ensure that the occupants are at a comfortable temperature. You will develop a detailed understanding of how walls, floors, roofs and external works are constructed.

Current Learning

Pupils will be learning some of the content relating to in preparation for their written examination.

Component 2

Aim and purpose:

This component will introduce learners to commonly used hand tools, equipment and craft skills needed in the creation of the built environment and how to select and use materials in order to safely produce quality outcomes.

Introduction: The construction industry creates an environment that meets the needs, concerns and visions of the people who use it and is created with care and attention by dedicated construction workers who are highly trained in their chosen craft area. On-site construction work is very rewarding. Working closely with site managers and technicians, the craftsperson uses tools and equipment to create the built environment, turning dreams into reality. Everyone relies upon the construction craftsperson to provide the quality environment in which we live, work and relax. In this component, you will learn and apply vocationally correct techniques to perform construction activities which include the appropriate selection and use of a range of tools to perform construction activities. In doing this you will develop some understanding of working safely in a craft role in the construction industry. You will also have to analyse hazards and risks and then complete some practical work in one of two craft areas: brickwork and carpentry and joinery. You will complete an assessed practical activity in one craft area from the set assignments available to support the assessment of this component. You will showcase your applied knowledge and understanding in addition to your practical skills in this craft. This component will enable you to gain an insight into the construction industry in order to facilitate your choice of pathway into further education to prepare you for a career in construction or related fields.

Current Learning

Students are currently working on Component 2 in order to submit in Spring 2026. They will spend lessons learning new content based on Risk Assessments and will be developing practical skills to support their component 2 PSA.



Lesson Sequ	encing	Tier 3 Vocabulary (Component 1)	Extended Learning	Ways in which parents/carers can support
Lesson 1	Course Introduction:	Performance requirements	There is no specific published revision guide for BTEC construction.	Component 1- support and encourage your child to revise and prepare for
Lesson 2	D1 Types of work: Overview	Low-rise construction	L	taking the Component 1 exam (January
Lesson 3	D1Types of work: Civil Eng/Industrial	Commercial	We will issue students with the	2026). Resources can be provided by
Lesson 4	Comp 2: A1 Risk Assessments	Industrial Civil Engineering	following:	school. (TEAMs)
Lesson 5	D1Types of work: Commercial/Retail	Groynes	Revision cards	
Lesson 6	D1Types of work: Health/Education	Gabions	Revision resources on TEAMs	Look at the built environment around you
Lesson 7	Comp 2: A1 Risk Assessments	Revetments	Nevision resources on TEAMS	and discuss the components of buildings.
Lesson 8	D1Types of work: Leisure/other	Embankments		and disease the components of ballanigs.
Lesson 9	D1Types of work: other	Levees	Watch programs that involve	
Lesson 10	Comp 2: A2 Measuring, Marking and setting out	Bunds	construction:	
Lesson 11	D2 Types of work: Transportation systems		Grand Designs	
Lesson 12	D2Types of work: Transportation systems		Build a new life in the country	
Lesson 13	Comp 2: A2 Reading and interpretation of drawings			
Lesson 14	D2 Types of work: Transportation systems – Flood Defences			
Lesson 15	D2 Types of work: Transportation systems – Flood Defences			
Lesson 16	Comp 2: A3 Tools and materials			
Lesson 17	Types of work: Revision			
Lesson 18	Types of work: Revision			
Lesson 19	Comp 2: A3Tools and materials	1	9	
Lesson 20	Types of work: Test D1/D2	1		
Lesson 21	Types of work: Test D1/D2 feedback and DIRT			
Lesson 22	Comp 2: A3 Tools and materials			
Lesson 23	A1 performance requirements			
Lesson 24	A1 Loads			



Term: Half Term 1

KS4 Learning Map

Year 10 - OCR Engineering Design

Unit R038: Principles of engineering design

In this unit you will learn about the different design strategies and where they are used, as well as the stages that are involved in iterative design, which is currently one of the most widely used design strategies. You will learn about the type of information needed to develop a design brief and specification, and the manufacturing and other considerations that can influence a design. You will develop knowledge of the types of drawing used in engineering to communicate designs, as well as the techniques used to evaluate design ideas and outcomes, including modelling methods.

Unit R039: Communicating designs

In this unit you will learn how to develop your techniques in sketching, and gain industrial skills in engineering drawing using standard conventions. This includes dimensioning, line types, abbreviations, and representation of mechanical features. You will enhance your confidence and capabilities by using computer aided design (CAD), 2D and 3D software, to produce accurate and detailed drawings and models that visually communicate your designs.

Lesson Sequencing Week Tier 3 Vocabulary					
Lesson Sec	Lesson Sequencing		Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support
Lesson 1	Intro	7	Anthropometric data	12 Awesome Examples of	Look at engineering drawings for simple
Lesson 2	RO38: Design Strategies	18	Ergonomic design	Ergonomic Product Design Cad	products and try following the drawings
Lesson 3	RO39: Free hand sketching	송	Ergonomics	Crowd	and creating the products at home.
Lesson 4	RO39: Free hand sketching	Week	Focus groups		Sent Scheme - Scheme - Policia Scheme - Sent Scheme - Sent Scheme - Scheme
Lesson 5	RO38: Design Strategies	_	Inclusive design	IDT Home	Watch and practice videos to help with
Lesson 6	RO39: Free hand sketching		Iterative design	(inclusivedesigntoolkit.com)	engineering drawings.
Lesson 7	RO38: Design Strategies	3&4	Linear design		ENGINEERING DRAWING BASIC - Bing
Lesson 8	R038: Stage of the design process	х Э	Primary research	Iterative design process - Design	video
Lesson 9	R039: Rendering	Week	Research Methods	strategies - Edexcel - GCSE Design	<u>video</u>
Lesson 10	RO38: Methods of researching		MEDICAL SAFONS CONTROL OF THE CANADA AND CON	5/80 SAN	
Lesson 11	R038: Product Analysis via Disassembly		Secondary research Interviews	and Technology Revision -	
Lesson 12	R038: Revision / Recap		Sustainable design	Edexcel - BBC Bitesize	
Lesson 13	R038: Revision / Recap	86	User-centred design		
Lesson 14	R038: Short Assessment	2		Ergonomics and Anthropometrics	
Lesson 15	Improvements	Week		<u>- YouTube</u>	
Lesson 16	RO39: Free hand sketching	≥			
Lesson 17	RO39: Free hand sketching				
Lesson 18	R039: Labelling				
Lesson 19	RO39: Isometric Drawing	88			
Lesson 20	RO39: Isometric Drawing	_			
Lesson 21	RO39: Isometric Drawing	eek			
Lesson 22	Revisit: R038: Design Strategies	3			
Lesson 23	Revisit: R038: Design Strategies			4.	

WJEC Hospitality and Catering



KS4 Learning Map

Term: Half Term 1

Year 10 - Hospitality & Catering

Unit 1

Aim and purpose:

The purpose of this unit is to enable learners to gain and develop comprehensive knowledge and understanding of the hospitality and catering industry including provision, health and safety, and food safety.

Introduction: In this unit, you will learn about the different types of providers within the hospitality and catering industry, the legislation that needs to be adhered to and the personal safety of all of those involved in the business, whether staff or customers. You will learn about the operation of hospitality and catering establishments and the factors affecting their success. The knowledge and understanding you gain will enable you to respond to issues relating to all factors within the hospitality and catering section and provide you with the ability to propose a new provision that could be opened in a given location to benefit the owner and the local community.

Current Learning

Pupils will be learning some of the content relating to hospitality and food hygiene in preparation for their practical exam.

Unit 2

Aim and purpose:

The applied purpose of this unit is for learners to safely plan, prepare, cook, present nutritional dishes and review their performance.

Introduction: In this unit learners will gain knowledge and understanding of the importance of nutrition and how to plan nutritious menus. They will learn the skills needed to prepare, cook and present dishes. They will also learn how to review their work effectively. This unit is synoptic and draws upon the knowledge gained in Unit 1. Learners will need to apply knowledge gained in the following topic areas in order to be able to complete this assessment:

- the operation of the front and back of house
- · hospitality and catering provision to meet specific requirements
- · health and safety in hospitality and catering provision
- food safety
- preventative control measures of food-induced ill health.

Current Learning

Students are currently working on unit 2 in order to submit in Spring 2024. They will spend theory lessons learning new content based on nutrition and menu-planning. They will partake in practical lessons aimed at building their skill repertoire and giving them experience of high-skilled dishes.

Lesson Sec	quencing	Tier 3 Vocabulary (Unit 2)	Extended Learning	Ways in which parents/carers can support
		Need assessment		Unit 1- support and encourage your
Lesson 1	Introduction to the subject	Macronutrients		child to revise and prepare for taking
Lesson 2	Baseline test	Micronutrients		



Lesson 3	Feedback and improvements	Special diets	WJEC Vocational Award Hospitality and	the unit 1 exam (January 2025).
Lesson 4	Unit 2- introduction to	Establishment	Catering Level 1/2: Study & Revision	Resources can be provided by school.
	controlled assessment.	Service	Guide : Tull, Anita: Amazon.co.uk: Books	
Lesson 5	UNIT 2: Design task analysis	Dietary needs		
Lesson 6	UNIT 2: Design task analysis	Life stages	My Revision Notes: WJEC Level 1/2	When shopping, discuss factors that
Lesson 7	Practical lesson		Vocational Award in Hospitality and	affect the choices made.
Lesson 8	Unit 2: importance of nutrition		Catering: Amazon.co.uk: Saunder, Bev,	Hospitality outlets - Hospitality
			Mackey, Yvonne: 9781510473331:	outlets - GCSE Hospitality (CCEA)
			<u>Books</u>	Revision - BBC Bitesize
			All cook books are a good place to build your knowledge on recipes, and cooking processes.	





Y10 Pearson BTEC- Component 1- Travel & Tourism Organisations and Destinations

Prior Learning

This subject may have prior learning links to ICT and geography. You may also have some knowledge from going on holiday wither in the UK or abroad and being a tourist yourself.

Current Learning

In this topic we will investigate travel and tourism organisations in the UK, their ownership, key products and services, and how they work together. We will explore the role of different consumer technologies within the travel and tourism industry. We will also look at different types of tourism and different types of visitors, and will explore the features of and routes to popular tourist destinations.

Subsequent Learning

This topic provides the basis/starting point for the topic and help with knowledge for component 2 customer needs in travel and tourism and also component 3 influences on global travel and tourism

The topic will also equip you with the skills you need to be successful in the PSA (Pearson Set Assignments) assessments.

	acstitutions.	Assignments assessments.		
Lesson Sequencing	Tier 3 Vocabulary	Extended Learning	Ways in which parents/carers can support	
Travel and tourism organisations	Accommodation	Students will be given retrieval	Parents can support with homework and	
Accommodation providers	Ancillary	homework's to complete to ensure	also help with any research into travel and	
Transport operators	B&B	new knowledge of travel and	tourism which may support or help studies.	
Visitor attractions	Catered	tourism is consolidated.		
Tourism promotion	Concierge			
Ancillary services	Consumer	Reading		
Ownership of travel and tourism	En-suite	BTEC Tech Award 2022 Travel and		
organisations	Gateway	Tourism Student Book - Text book		
Common aims of UK travel and tourism	Heritage	that can be used.		
organisations	Hostel			
Developing new customer technologies	Hotel			
T & T organisations working together	Lodge			
Why T & T organisations work together	Organisations			
Consumer technology in T & T	Ownership			
Advantages of consumer technology	Self-catering			
,,	Terminal	and the second s		
Disadvantages of consumer technology	Tour operator			
Assessment Practice A	Tourism			
Visitor destinations	Tourist			
Features of destinations	Travel agent			
	Visitor			