	Year 11 GCSE Art and Design	
Autumn	Spring	Summer
HT1 and HT2 : Mini Skill Based Project Learners will research and investigate the starting point and keyword 'Natural Forms'. Learners will be assessed on their research skills, linking to Karl Blossfeldt. They will have a mind map and a range of drawings using a range of Fine Art media; including photography. Mark making, blending, shading, enlarging, reducing and gridding will be investigated using primary and secondary sources. The formal elements of art will be revisited and recorded. Learners will gather source materials to draw from and produce mind maps and research on their own chosen artists researched independently. Pencil, charcoal, fine- liner pen and drawing techniques will be explored with painting techniques. A personal response will be developed following preparatory work. Learners will complete a booklet at home looking at stimuli linked to nature.	HT1: Light and Dark Learners will research and investigate the starting point 'Light and Dark'. They will choose a theme to focus on. For example, 'Architecture' or 'Portraiture'. They will record observations and drawings linked to their chosen theme and artists researched. They will investigate and record drawings and ideas with annotation. Mind maps will show their ideas and the formal elements of art will be revisited. Practical skills will include a range of media and research pages will link to great artists, craft makers and designers. Pencil, charcoal, fine-liner pen, pastels and drawing techniques will be revisited. HT2: Final piece 'Light and Dark'. Learners will produce a final piece linked to a great artist/s. For example, a self-portrait with contrasting tone. They will choose a suitable scale to work on. This will link to artwork researched in class and at home. Their final piece will be meaningful and connect to an artist or art movement. Once completed, learners will refine artwork from previous years ready for their portfolio.	HT1 and 2: Moderation of work.
	Assessment	1
 <u>HT1</u> A baseline test for each assessment objective. A01 Research – Karl Blossfeldt A02 Refining – Media and Photography A03 Recording- Mind maps and drawings <u>HT2</u> Homework book marked. 	 HT1 A01 Research and theory assessment. A03 Drawing assessment. HT2 A01 Research – Research A02 Refining – Media and Photography A03 Recording- Mind maps and drawings A04 Resolve Standardisation of work completed. 	HT1: Standardisation of work completed and moderation process. Learners will receive their final mark/grade in August 2021.

Year 11 - Business (SOW)		
Term one	Term two	Term three
HTI	HTI	HT1
Making operational decisions: Learners will explore the issues associated with managing stock and quality, procurement and the sales process.	Making human resource decisions: Learners will explore the how businesses motivate staff, organisational structures, effective recruitment and different ways of working.	General Revision: Learners will complete a set of revision activities in preparation for the final examinations.
HT2	HT2	
Making financial decisions: Learners will explore how to carry out specific business calculations and understand how to assess a business's performance.	Making human resource decisions continued.	
	Assessment and Exams	
Making operational decisions and Making financial decisions assessments	Making human resource assessment Exam Practice Question assessment	Exam Practice Question assessment activities
Exam Practice Question assessment activities	activities	Literacy Key word focused assessments
Literacy Key word focused assessments	Literacy Key word focused assessments	GCSE Final Examinations

	Year 11 Citizenship	
Autumn Half Term 1: Citizen participation Overview: A study into how citizens can participate in a democracy and the creation and implementation of their own Citizenship in Action project Exam skills focus: Citizenship in Action practice questions Case Study: Citizenship in Action, National Citizen Service	Spring Term 1: Two Identity and Diversity in the UK. Overview: Investigating debates surrounding immigration and integration into UK society including debates on ideas such as sense of identity, community cohesion and the refugee crisis Exam skills focus: source based questions and 12 mark explanation based questions. Case Study: Migration from Syria, United Nations High Commission for Refugees, The Prince's Trust	<u>Summer Term 1: Revision and exam</u> <u>preparation</u>
Autumn Half Term 2: Politics Beyond the UK Overview: Comparing and contrasting the diverse political systems around the world including one democratic and one authoritarian country. Exam skills focus: source based questions and 12 mark evaluation based questions <u>Case Study:</u> China, Switzerland and Amnesty International	Spring Half Term Two: The UK and its relations with the wider world.Overview: Investigating the international organisation Britain does or should be a part of and the debates surrounding the effectiveness of government and NGO intervention in humanitarian crisisExam skills focus: multiple choice and source based questionsCase Study: UN Health agencies, UK intervention on Kosovo, War in Iraq, Refugee rescues, Save the Children	<u>Summer Half Term 2</u> <u>Exam period</u>

Year 11 - Computing (SOW)		
Term one	Term two	Term three
HTI	HTI	HTI
Programming Project: Learners will complete the compulsory programming project as directed by the examination board.	Representation of Data Revision: Learners will complete a set of revision activities focused on the representation of unit content.	General Revision: Learners will complete a set of revision activities in preparation for the final examinations.
HT2	HT2	
Programming Project continued.	Programming Project continued.	
Ethical, Legal and Environmental Impacts: Learners will explore the ethical, legal and environmental impacts of computers.	Ethical, Legal and Environmental Impacts: Learners will explore the ethical, legal and environmental impacts of computers.	
· · · ·	Assessment and Exams	1
End of unit assessment	Mock examinations	Exam Practice Question assessment activities
Exam Practice Question assessment activities	Exam Practice Question assessment activities	Literacy Key word focused assessments
Literacy Key word focused assessments	Literacy Key word focused assessments	GCSE Final Examinations

Year 11 – GCSE Drama Term One Term Two Term Three			
HT1: Record the Devised performance. Complete a baseline assessment. Written Exam and mock paper – Reflection, Refine and review. Learners will have attempted to refine exam questions over the holidays and will have the opportunity to work intensely on specific areas to develop. Learners will further develop their knowledge and understanding of the main sections of the exam: Section A: Theatre responsibilities and Staging Section B: Blood Brothers;Character, staging and costume. Section C: Review of a Live Performance. Written opportunities will be given including controlled, timed tests.	HT1: Set Text Practical Exam: Performance of x2 Extracts from a chosen play. Written exam and mock paper reflection Learners will have developed their vocal and physical skills and focused on 1 or 2 characters in chosen scenes from a selected play. They will be assessed on their creation of a believable sustained character that is performed smoothly, within a time frame and appropriate to the expectations of the play.	Written Exam – May 2021	
HT2: Set Text Practical exam preparation: Rehearsal of x2 Extracts from a chosen play: Written exam and mock paper reflection Learners will develop their vocal and physical skills and focus on 1 or 2 characters in chosen scenes from a selected play. They will have a choice of either working in monologue, duologue or in a group up to 4. They must consider appropriate staging, lighting, costume and props that are in keeping with the style of the play. Learners will learn the scenes and create appropriate performances that convey the playwrights intentions. They will be assessed on their creation of a believable sustained character that is performed smoothly, within a time frame and appropriate to the expectations of the play.	 HT2:Written Exam and mock paper - Revision: Reflection, Refine and review. Learners will continue to refine exam questions and will have the opportunity to work intensely on specific areas to develop. Learners will further develop their knowledge and understanding of the main sections of the exam: Section A: Theatre responsibilities and Staging Section B: Blood Brothers; Character, staging and costume. Section C: Review of a Live Performance. Written opportunities will be given including controlled, timed tests. 		

half term on the knowledge and skills learned throughout the topics.

Year 11 Design & Technology

Year 11 will be split equally between the Non Examination Assessment (NEA) and theory learning. Historically, NEA was known as coursework and is often referred to as the major project. In the grid below theory learning is shown in bold. Multiple choice questions (MCQ) will be used to check common core knowledge around materials and components. Excellent resources to support independent learning in this area can be found at <u>www.bbc.com/bitesize/examspecs/zby2bdm</u>. At Rayner Stephens, learners are following the AQA GCSE Design & Technology course. Regular additional sessions will take place after school in order to support knowledge development in the subject and it is essential that learners make plans to attend these.

Autumn	Spring	Summer
Major Project – Working towards a sustainable future (50% of qualification) HT1 • Research in answer to learner derived design brief • Specification prior to designing • Initial ideas – sketching • Ideas cardboard modelling • Idea selection and justification • Structures • Wooden Materials • Levers Theory • Ergonomics & Anthropometrics • Basic electronics • MCQ 1-3 HT2 • Development modelling • 3D CAD development via Sketchup • Exploded drawing & parts list • Manufacturing plan – Gantt Chart • Types of mechanism • Product life Cycle • Energy generation • MCQ 4-6	Major Project – Working towards a sustainable future (50% of qualification) HT1 Initial marking and rough cutting of components Shaping and finishing of major elements Manufacture and testing of functional elements Advantages / Dis' of CADCAM Production Aids Dyson Case Study Plastic Materials McQ 7-9 HT2 Surface finishes and graphics Final assembly, testing and evaluation Alec Issigonis & the Mini Q's Quality control and assurance MCQ 7-9 Why modelling is important Metal Materials, Stock forms and standard components	 Final Exam Preparation Final Exam Preparation HT1 Consolidation of NEA folder and final outcome Sustainability and the 6R's Industrial processes – Injection moulding Material sources – Ore's, crude oil, forestry The work of Norman Foster How to evaluate – your opinion justified Scales of Production Patents, trademarks & legislation MCQ 10-12
	Assessment and Exams	-
 Baseline assessment on the first section of the NEA Controlled assessment - Research section and Specification complete and submitted Ideas and development complete, with general feedback given as per QCA guidelines 	 Mock written exam Average theory score recorded on Excel tracker Final general feedback on NEA Seneca feedback on theory. 	 External exam Friday 22nd May 2020 Revision mock papers as issued

•	Average theory score recorded on Excel tracker		
•	Seneca feedback on theory.		

	Year 11 – MFL French	
Term One	Term Two	Term Three
HT1	HT1	HT1
French: Studio AQA GCSE French	French: Studio AQA GCSE French	French: Studio AQA GCSE French
Module 4 & 8 : Un Oeil sur le monde Learners will reflect on their personal thoughts on topics such as the environment. They will be expected to discuss what makes them tick and what their main concerns are. We will cover topics such as natural disasters, ethical shopping and environment in this module. Learners will be expected to discuss a range of topics, using three tenses and giving justified opinions about their feelings using empathetic pronouns. Learners will update their speaking questions for theme 2 to include a couple of responses relating to the topics covered in this module. HT2 French: Studio AQA GCSE French Theme 1 revision: Learners will be expected to talk in depth about their free time and leisure activities, they will be encouraged to use a variety of tenses and a range of grammatical structures. Learners will Review a range of topics relating to free time, such as TV, film, music, festivals, applications and technology and inspirational celebrities or role models. Learners will be encouraged to use the perfect and imperfect tenses to talk about what they have done in the past. Learners will describe themselves and their families in detail. Learners will know how to discuss technology and social media and extend their responses to be able to refer to other people.	 Theme 2 revision Learners will discuss holidays, activities and weather. They will talk about holiday preferences and describe a holiday using a range of tenses. Learners will know how to book accommodation and deal with problems they may experience when traveling abroad. Learners will know how and when to use verbs with 'usted' and understand the social implications of this register. Learners will be expected to offer a wide range of contrasting opinions. They can discuss hotel facilities, transport, preferences, activities, etc. Town and local area HT2 French: Studio AQA GCSE French Theme 3 revision: Learners will revise vocabulary and grammar in relation to current and future study and employment. This will incorporate school life, post 16 options. Jobs career choices and ambitions. Learners will know how to discuss technology and social media and extend their responses to be able to refer to other people. Learners will be encouraged to use the perfect and imperfect tenses to talk about what they have done in the past and apply the future tenses to describe their future plans. 	Module 1-3: Contrôle: Theme 1 Learners will consolidate their learning of the topics across Themes one -three and prepare their questions and responses for the GCSE Across 4 skills. Learners will be given a range of tasks and activities including authentic past papers to help them to revise topics 1 -8 in preparation for their final examinations.
	Assessment and Exams	
Term 1: HT1: Reading assessment – Environment	HT 2: Listening assessme	nt – Theme 1
Term 2: HT1: Writing/speaking – Theme 2	HT 2: Reading assessme	
Term 3: HT1: Various	6	

New Geography Curriculum			
	Year 11		
Autumn Term 1 Dynamic Development / UK in the 21 st Century We live in an unequal world, where the gap between prosperity and poverty is widening. This topic asks learners to consider the changing nature and distribution of countries along the development spectrum before examining the complex causes of uneven development. The future for LIDCs is uncertain and will be investigated through an in-depth study of one country, considering its development journey so far, how its global connections may influence the future and possible alternative development strategies	Spring Term 1 Urban Futures Never before has the landscape of the planet looked more urban. Cities are growing at unprecedented rates. This topic seeks to explore why, and consider how the global pattern of urbanisation is changing. Urban challenges and opportunities are varied and unique and learners will examine these through studying two cities, one from an advanced country (AC) and one from either an emerging and developing country (EDC) or a low-income developing country (LIDC). Within each city, contrasting ways of life, geographical processes, problems and solutions will be studied in order to gain a holistic understanding of what makes up the urban fabric of each place.	Summer Term 1 Alternating revision from paper 1 and paper 2 using the trackers to identify gaps in the knowledge of learners and gaps in their exam skills. Revision will focus on case studies and memorising the specific information from each of the case studies to take in to the exam. P1 – Global Hazards – Japan, Haiti, Haiyan P1 – Changing Climate – Uk and Tuvalu P1 – Distinctive Landscapes – River Tees and Holderness Coastline P1 – Sustaining Ecosystems – Coasta Rican Sustainable Tourism and Antarctic Treaty P2 – Urban Futures – London, Mumbai and Lagos. P2 – Dynamic Development – Zambia P2 – UK in the 21 st Century – Salford Quays, Manchester and London. P2 - Resource Reliance – UK food security and Goat Aid	
Autumn Term 2 Resource Reliance Supplies of food, energy and water are three of the most challenging issues the world faces. Significant numbers of people are resource poor, whilst others consume more than their fair share. This topic investigates emerging patterns, where demand is outstripping supply,	Spring Term 2 Revision and Paper 3 Skills During this half term a focus will be on paper 3 skills which require the synthesis of two units from paper 1 and paper 2 to complete a decision making skills activity. The content from the two units will be revised using knowledge organisers and practise	<u>Summer Term 2</u>	

and considering the question 'can we feed nine billion people?' Learners will	then be discussed and the long answer 15			
and reflect upon the sustainability of	This will be supported with online revision sessions and live events to explore the bigger context.			

<u>Assessment</u>

Assessment will be conducted at the end of each key Geography topic and in line with school data points.

Learners will be assessed on all of their previous learning not just the unit they are studying to ensure retention of key knowledge. Formal assessments will focus on the following;

- 1. Recall which focuses on key content and information.
- 2. Geographical skills which include the use of map, graphs, statistics and infographics.
- 3. Extended answer questions that include level marking.
- 4. A range of command words to build up learners confidence in their exam skills.

ł	Health & Wellbeing – Core PE KS 4		
Term One	Term Two	Term Three	
HT1 Focus – Health & Fitness Competency – Citizenship Intent – To ensure all learners understand the benefits of a healthy active lifestyle and understand the link between physical, mental and emotional health. Overview: Drawing on prior knowledge surrounding components of fitness learners will discover different methods of testing physical health. Learners will fully understand the link between physical activity and mental health.	HT1 Focus – Decision Making Competency – Critical Thinking Intent – To develop the knowledge required to make tactical decisions or changes when taking part in a physical challenge. Overview: Learners will identify different tactics used in a variety of sports and discuss the use of tactical play. Learners will show ambition when choosing tactics for team and individual based challenges.	HT1 Focus – Coaching Competency – Collaboration Intent – To give learners the tools to reflect or their own performance. Overview: This particular focus will include a large amoun of work surrounding mental health and preparing for examinations. Learners will develop a range of stress management techniques and be able to adopt a range of strategies to help them moving forward.	
HT2 Focus – Performance Competency – Creativity Intent – To allow learners opportunity to build on prior knowledge and combine various practical skills. Overview: Learners will be given the opportunity to select, combine and perform their strongest of skills through physical activity in both team and individual based activities.	HT2 Focus – Leadership Competency – Communication Intent – To allow learners to develop their self- confidence and range of communication skills through leadership. Overview: Learners will discover what it takes to be a leader, developing personal qualities and self-confidence through sport and physical activity.	HT2 Focus – Character Competency – Character Intent – To reflect on personal attributes and develop key skills for life beyond RSHS. Overview: All learners will start with a range of self- reflection activities where they will self and peer assess their own personal attributes. Learners will discuss in detail what it takes to be a role model, what is meant by the term citenzhip and how we can promote equality within sport and physical activity.	
Assessment – Ongoing assessment through observation, p The key 'I can' statements will form much of our assessme		le regarding key skills and levels of performance,	

HT1

Focus – Leadership

Competency – Communication

Intent – To allow learners to develop their self-confidence and range of communication skills through leadership.

Overview:

Learners will discover what it takes to be a leader, developing personal qualities and self-confidence through sport and physical activity.

Exam board – EDEXCEL GCSE History 9-1		
Term One	Term Two	Term Three
1T1	HT1	HT1
GCSE Germany 1918-1939	GCSE Germany 1918-1939	
roblems of the Weimar Republic 1918-1923	Control of Germany: Terror and Propaganda	
earners will investigate the situation in Germany	Learners will investigate the methods used by the	
after the First World War and the problems that	Nazis to control the German population	
he Weimar Republic had to overcome.		
	Living in Nazi Germany 1933-1939	
Veimar recovery 1924-1929	Learners will study the impact Nazi Germany had on	
earners will investigate the role of Stresemann in	different groups of people in the country – the	
mproving Germany and he problems this caused	youth, women, minority groups and workers.	
or the Nazi Party.		
172	HT2	HT2
GCSE Germany 1918-1939	GCSE History themes and review	
arly years of the Nazi Party	Learners will review their learning over the three	
earners will investigate the early years of Hitler	core topics, and continue to address gaps in both	
and the new Nazi Party.	knowledge and skills. Key themes and concepts will	
,	be identified and preparation for success will be	
Rise of the Nazis 1929-1934	made.	
earners will investigate the reasons for the rapid		
growth in the popularity of Hitler and the Nazis		
after 1929. They will learn how Hitler was able to		
become the dictator of Germany in 1934.		
	Assessment and Exams	
	gularly assessed to check the level of understanding an	
	gularly reflect on previous work and make improvemen	
	h will consist of knowledge based tests and extended h iate points in the academic year to build exam success	

Year 11 Hospitality and Catering		
Autumn	Spring	Summer
Autumn Term	Spring Term	Summer Term
<u>Unit 1 – Written Exam – The Hospitality and</u> <u>Catering Industry</u>	<u>Unit 1 – Written Exam – The Hospitality and</u> <u>Catering Industry</u>	Unit 2 – Hospitality and Catering in Action Use knowledge and understanding of the
LO3 – Understand how hospitality and catering provision meets health and safety requirements.	LO4 – Know how food can cause ill health	hospitality and catering industry in order to propose new hospitality and catering provision to
LO1 – Understand the environment in which hospitality and catering providers operate.	LO5 – Be able to propose a hospitality and catering provision to meet specific requirements	meet specific needs
LO2 – Understand how hospitality and catering provisions operate	Unit 2 – Hospitality and Catering in Action Use knowledge and understanding of the hospitality and catering industry in order to	
	propose new hospitality and catering provision to meet specific needs	
Assessment and Exams		
Autumn Term 1	Spring Term 1	Summer Term 1
Mock exam	January – written exam	Practical exam and controlled assessment
LO work booklets to assess progress	LO work booklets to assess progress	

Term One	Term Two	Term Three
HT1 Learners will study: Two Way Tables Frequency Trees Venn Diagrams Probability Probability Trees Best Value Exchange Rates Percentage of an Amount Interest and Growth Depreciation and Decay Reverse Percentages Fractions	 HT1 Learners will study: Averages Averages from a Table Averages from Grouped Data Inequalities Time Series Straight Line Graphs Quadratic and Cubic Graphs Coordinate Geometry Speed, Distance, Time Compound Measures Real Life Graphs 	 HT1 Revision - Crossover targeted exam questions. Revision of all topics covered in years 9 to 1 including past papers. Learners should also be completing independent revision in preparation for final exams.
HT2 Learners will study: Ratio Proportion - Recipes Standard Form Index Laws Expand and Simplify Factorising Solving equations Subject of Forming and Solving Equations Simultaneous Equations	HT2 Learners will study: Pie Charts Plans and Elevations Constructions Circles Arcs and Sectors Surface Area and Volume Congruence Similar Shapes Vectors Cumulative Frequency & Box Plots	HT2 Revision Revision of all topics covered in years 9 to 1 including past papers. Learners should also be completing independent revision in preparation for fina exams.
Learners v	Assessment and Exams seline retrieval assessment is to be completed in S vill complete Mock GCSE papers in the Autumn of earners to complete a full set of GCSE papers (1	and Winter term.

Year 11 – Maths – Higher Tier 2020-2021		
Term One	Term Two	Term Three
 HT1 Learners will study: Two Way Tables Frequency Trees Venn Diagrams Probability including Conditional Probability Proportion Interest and Growth Reverse Percentages Fractions Ratio Standard Form Index Laws Expand and Simplify Factorising 	HT1 Learners will study: Bearings Pie Charts Plans and Elevations Constructions Circles Arcs and Sectors Circle Theorems Circle Geometry – Gradients /tangents	HT1 Revision Revision of all topics covered in years 9 to 11 including past papers. Learners should also be completing independent revision in preparation for final exams.
 Forming and Solving Equations HT2 Learners will study: Simultaneous Equations Averages Averages from a Table Averages from Grouped Data Inequalities Time Series Straight Line Graphs Quadratic and Cubic Graphs Coordinate Geometry Speed, Distance, Time Compound Measures Real Life Graphs 	 HT2 Learners will study: Surface Area and Volume Congruence Similar Shapes Vectors Cumulative Frequency & Box Plots Histograms Functions Further Trigonometry Gradient and area under graphs Congruence and geometric proof 	HT2 Revision Revision of all topics covered in years 9 to 11 including past papers. Learners should also be completing independent revision in preparation for final exams.
	Assessment and Exams	
Learners wi	eline retrieval assessment is to be completed in Il complete Mock GCSE papers in the Autumn earners to complete a full set of GCSE papers (and Winter term.

Year 11 – Media (SOW)		
Term one	Term two	Term three
HTI	HT1	HT1
Non-exam Component Film Poster and DVD project	Revision: Component 1 Section A Quality Street, This Girl Can, Pride, GQ, The Sun, The Guardian, Spectre poster,	Outstanding revision Exam questions
Component 1 Section B The Sun website	Man With Gold Gun poster	
Spectre website	Review of the products for exam 1. Focus on applying knowledge to exam	
Learners will complete their NEA. Learners will explore industry issues linked to The Sun and Spectre websites.	questions and linking theories.	
HT2	HT2	
Component 2 Section B Music Video	Revision: Component 2 Section A Crime Drama, Music Video	
Learners will explore audience and industry issues linked to Music video.	Review of the products for exam 2. Focus on applying knowledge to exam questions and impact the industry has on the genre.	
	Assessment and Exams	
Component 1 and Component 2	Component 1 and Component 2	Exam Practice Question assessment activities
Exam Practice Question assessment activities	Exam Practice Question assessment activities	Literacy Key word focused assessments
Literacy Key word focused assessments	Literacy Key word focused assessments	GCSE Final Examinations

Year 11 – Music 2020/21		
Term one	Term two	Term three
HT1 Unit 1: Working in the music industry Learners will be completing revision tasks based on the written exam with a focus on the 8 mark questions. This exam is worth 25% of the overall grade and will be sat in January 2020. Unit 3: Introducing live sound Learners will finalise their work from Year 10 on live sound equipment. They will complete coursework based around live sound equipment and recording studios, culminating in a practical set up exam.	HT3 Unit 2: Planning a music product Learners will begin work on this unit which involves them planning the Christmas Concert. They will organise all aspects of this, including risk assessments, promotional material and plans. This unit is worth 25% of the overall grade.	HT 5 Unit 1 Exam preparation
Unit 5: Introducing music performance Learners will work on their performance pieces which will be showcased in the unit 2 concert. Learners will be assessed on both their rehearsals and their final performance. HT2 Unit 1: Working in the music industry Learners will be completing revision tasks based on	HT4 Unit 2: Planning a music product Learners will continue with the unit, culminating in	
the written exam with a focus on the 8 mark questions. This exam is worth 25% of the overall grade and will be sat in January 2020. Unit 3: Introducing live sound	the final product of the concert in this term.	
Learners will finalise their work from Year 10 on live sound equipment. They will complete coursework based around live sound equipment and recording studios, culminating in a practical set up exam.		
Unit 5: Introducing music performance Learners will work on their performance pieces which will be showcased in the unit 2 concert. Learners will be assessed on both their rehearsals and their final performance.		
	Assessment and Exams	

Year 11 – Combined Science		
Term One	Term Two	Term Three
 HT1 Biology: Topic homeostasis and response Learners will use a range of investigative techniques to understand that cells in the body can only survive within narrow physical and chemical limits. Topic organic chemistry Learners will use a range of investigative techniques to understand the chemistry of carbon compounds is so important that it forms a separate branch of chemistry. Topic 8 chemical analysis quantitative chemistry Learners will use a range of investigative techniques to understand analysis have developed a range of qualitative tests to detect specific chemicals. Topic waves Learners will use a range of investigative techniques to understand analysts have developed a range of another and can also carry information. 	 HT1 Chemistry: Topic: Variation and Evolution Learners will use a range of investigative techniques to understand the variation between different species and the theory of evolution. Topic 6 the rate and extent of chemical change Learners will use a range of investigative techniques to understand chemical reactions can occur at vastly different rates. Topic magnetism and electromagnetism Learners will use a range of investigative techniques to understand that electromagnetic effects are used in a wide variety of devices.	HT1 Revision
 HT2 Physics: Topic waves Learners will use a range of investigative techniques to understand waves carry energy from one place to another and can also carry information. Topic: Reproduction Learners will the different types of reproduction and use a range of investigative techniques to study the structure and importance of DNA. Topic chemistry of the atmosphere Learners will use a range of investigative techniques to understand the Earth's atmosphere is dynamic and forever changing. The causes of these changes are sometimes man-made and sometimes part of many natural cycles. 	 HT2 Chemistry: Topic ecology Learners will use a range of investigative techniques to understand all species live in ecosystems composed of complex communities of animals and plants dependent on each other and that are adapted to particular conditions, both abiotic and biotic. Topic 10 using resources Learners will use a range of investigative techniques to understand industries use the Earth's natural resources to manufacture useful products. 	HT2 Revision

Assessment and Exams		
Learners will be assessed during each topic and at the end of each half term complete a formal assessment on content from that half term and previous ones. Learners will also complete a formal exam using past GCSE exam papers during mock exam week		

Year 11 – Statistics		
Term One	Term Two	Term Three
 HT1 Learners will study: Averages Recap Weighted and Geometric Mean Measures of Dispersion Standard Deviation Box Pots Skewness Comparing Data Scatter Diagrams Correlation 	 HT1 Learners will study: Conditional Probability Index Numbers Rates of Change Distributions Control Charts 	HT1 Revision Revision of key exam topics including past papers. Learners should also be completing independent revision in preparation for final exams.
 HT2 Learners will study: Interpolation and Extrapolation Time Series Trend Lines Moving Averages Sample Space Diagrams Venn Diagrams Tree Diagrams 	HT2 Revision Revision of key exam topics including past papers. Learners should also be completing independent revision in preparation for final exams.	HT2 Revision Revision of key exam topics including past papers. Learners should also be completing independent revision in preparation for final exams.
	Assessment and Exams ners will complete Mock GCSE papers in Autumn and Week – Learners to complete a full set of GCSE pape	