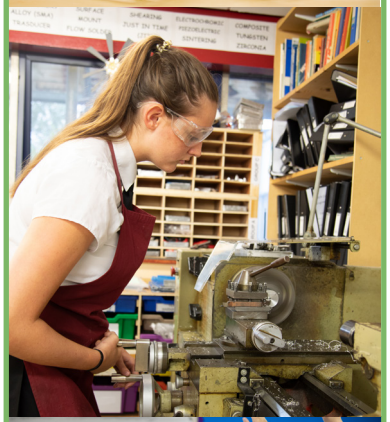

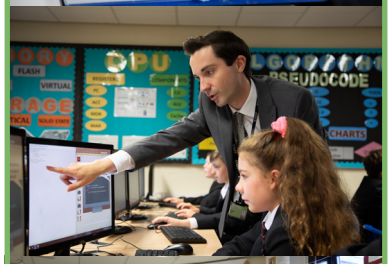

Great in name, greatest together

Great Sankey High School

Curriculum Guide

Year 10

Curriculum Vision

Our mission is to ensure every student leaves Great Sankey articulate, resilient, compassionate and culturally aware. That they are inspired to contribute to society, are able to pursue careers they are passionate about and live, healthy, happy and fulfilled lives.

Our ten school values fall into ***three pillars of community, learning and self*** and these thread their way throughout our curriculum. We believe that if children understand the purpose of what they are learning and why they are learning it; not only will they be more engaged but they are much more likely to remember what they have learnt and be able to use it again in the future.

We also recognise the huge impact that learning beyond the classroom can have but appreciate we don't know which moment at school will inspire a child or resonate with them later in their life. It could be the inspirational careers speaker, a museum or gallery visit, the Duke of Edinburgh's Award expedition, a science experiment, or be on the sports field or theatre stage. What we do know is that if we ensure children seize as many opportunities as they can something has more chance to stick and act as a catalyst.

To achieve all of the above we have designed a knowledge based, word rich curriculum and we evaluate what knowledge and skills pupils have gained (at each stage) against expectations. The impact of innovations such as knowledge organisers and student self-selected KS4 target grades, will be reviewed regularly and remodelled to help all pupils perform well. We also won't be shy about investing in our staff to ensure they are using the most effective techniques to help students secure what they learn in class is committed to their long term memory, regardless of their starting point. Furthermore, we understand that those extra important details such as careers guidance, RSE, PHSE, British Values and enrichment should not just be bolted on but play an integral part of 'what we do' as a school community. We are already the largest provider of the Duke of Edinburgh's Award in the North West and the largest provider of the John Muir environmental award nationally and are planning to create a bespoke approach to encouraging and recording participation in extra-curricular provision.

All of these plans and actions are evidence-based and research-driven.

In short, our ambition is to create a dynamic learning culture and deliver a bold curriculum and personal development programme that ensures that both students and staff have the courage and determination to **dare for greatness**.

Curriculum overview – year 10

What will my child study?

In year 10 students begin courses which will lead to formal qualifications. Our curriculum is broad and balanced; we place great value on academic, creative and technical subjects. Students study the core subjects of English, maths, science, PE and PSHE and are able to select from a large range of options subjects. The following pages provide an overview of what students will be studying each term.

KS4 options			
GCSE courses			**Vocational courses**
Art and Design	Food Preparation and Nutrition	Sports Studies	BTEC Tech Award in Creative Media Production.
Business	French	Photography	Graphic Design V Cert
Computer Science	Geography	Psychology	Information Technology Cambridge National Award
Design and Technology	History	Religious Studies	
Drama	Music	Textiles	

How is the curriculum sequenced?

Research around memory and how children best learn has been used to inform our curriculum planning. Subject specialist staff have thought carefully about the curriculum we deliver. Knowledge and skills are sequenced so that these are taught in a sensible order allowing for regular revisiting of knowledge and retrieval as complexity and depth build.

How will my child be assessed?

Regular assessment and high quality feedback are essential for students to learn effectively. Students are given clear, regular feedback following each assessment they complete which consists of what went well, and areas that could be even better. Students then address the areas that could be better through Dedicated Improvement and Reflect Time (DIRT) opportunities This information should be clearly identified on green paper in student's books.

Students complete two formal assessments, which like in earlier years assess all of the knowledge and skills taught to students up to that point. By the time students reach the end of year 10 they will be completing past papers to help with preparation for formal exams at the end of year 11. Formal 'mock' exams take place in June of year 10.

Homework

In English and maths students will be set one homework activity each week. In science, students will be set 3 homework activities per fortnight, one for each of biology, chemistry and physics. In all other subjects they are set two homework activities per fortnight. Homework will consist of a range of activities from using GCSEpod to completing exam questions or essays.

How can I support my child?

5 Top Tips

1. Encourage students to use their revision guides (KS4) to regularly review knowledge using techniques such as read, cover, write, check.
2. Attendance and punctuality directly relate to student attainment, avoid non-emergency medical appointments during the school day for example.
3. Talk to your child about what they have been learning at school, this helps reinforce understanding.
4. Download the SIMS app so you can monitor attitude to learning scores in lessons and homework deadline.
5. Support us and your child by attending parent consultation evenings.

If you would like to know more about our curriculum please contact Mrs C Kane, Deputy Head, C.Kane@gshs.omegamat.co.uk

Year 10 Textiles Curriculum Aims:

At the start of year 10 pupils will be completing baseline project covering observational drawing, colour, and analysis. From here pupils will work through the four assessment objectives each project, these objectives will be revisited each project from years 7 to 13. Assessment objective 1- Artist analysis, AO2-experimenting with materials, AO3- Drawing, ideas, and images, AO4- Final outcomes and evaluation. The development throughout the projects builds on confidence and the overall aim of working independently to create a textile outcome based on a question of their choice.

Year 10 Art & Textiles Curriculum	What will pupils' study?	Where and why?
Term 1	Working safely with the practical space. Baseline activities, followed by the start of first project about Natural Forms.	Pupils begin with initial project that includes observational drawing, colour, tone, and analysis and starts our journey working with Textile techniques and using the sewing machine. Our first project is Natural Forms, looking at imagery and layering. Pupils will learn how to participate in practical lessons safely when working as a team or independently. Each project learners will work through our four assessment objectives building further on their understanding and skills and adapting this now to include textile techniques. Pupils will deepen their understanding of the GCSE Textiles process and learn new skills and techniques that will broaden their opportunities for becoming independent. Starting their second project titled 'Under the Sea.'
Term 2	Our second project will include more new techniques and further understanding of working in a variety of mediums. Producing final outcomes to show progress.	This term will begin with producing their final outcomes from our second project. Pupils will consolidate their learning and highlight their skills, evaluating the piece against the assessment objects and discussing their progress from baseline. Personalised targets will then be set to ensure greater progress as we start our third project which will be independently chosen by our pupils.
Term 3 – lead in to Term 1 of Year 11	Starting our third project on a project researched and chosen independently by pupils.	Pupils will start their final project based on a chosen question, evaluating, and setting personalised targets ready for our final assessment piece. Our end of year exam covers all 4 assessment objectives, pupils will highlight the progress they have made in research, drawing, composition, and tone.

What enrichment opportunities are available and how do these support learning?

Art club is available after school; pupils need to speak to their teacher for further details. Regular homework tasks are set to strengthen understanding and improve control with the mediums.

Follow Art@GSHS on - https://www.pinterest.co.uk. .

https://www.wjec.co.uk/students/index.html

Where can I visit to aid my study?

https://wmag.culturewarrington.org/whats-on/ **https://www.whitworth.manchester.ac.uk/**

https://www.tate.org.uk/visit/tate-liverpool **http://manchesterartgallery.org/**

https://www.liverpoolmuseums.org.uk/walker/

Head of Department: Mrs Lorna Philcock. **L.Philcock@gshs.omegamat.co.uk**

Year 10 Art Curriculum Aims:

At the start of year 10 pupils will be completing baseline project covering observational drawing, colour, and analysis. From here pupils will work through the four assessment objectives each project, these objectives will be revisited each project from years 10 to 13. Assessment objective 1- Artist analysis, AO2-experimenting with materials, AO3- Drawing, ideas, and images, AO4- Final outcomes and evaluation. The development throughout the projects build on confidence and the overall aim of working independently to create an Art outcome based on a question of their choice.

Year 10 Art Curriculum	Topics	Content
Term 1	Working safely with the practical space. Our first project about is about Structures and includes baseline drawings to start.	Pupils begin with initial project that includes observational drawing, colour, tone, and analysis and starts our journey working with Art techniques. Our first project is Structures, looking at imagery and layering. Pupils will learn how to participate in practical lessons safely when working as a team or independently. Each project learners will work through our four assessment objectives building further on their understanding and skills. Pupils will deepen their understanding of the GCSE Art process and learn new skills and techniques that will broaden their opportunities for becoming independent.
Term 2	Our second project will include more new techniques and further understanding of working in a variety of mediums. Producing final outcomes to show progress.	This term will begin with producing their final outcomes from their first project. Pupils will consolidate their learning and highlight their skills, evaluating the piece against the assessment objects and discussing their progress from baseline. Personalised targets will then be set to ensure greater progress as we start our project development.
Term 3 – lead in to Term 1 of Year 11	Starting our third project on a project researched and chosen independently by pupils.	Pupils will start their final project (April) based on a chosen question, evaluating, and setting personalised targets ready for our final assessment piece in year 11. Our end of year exam covers all 4 assessment objectives; pupils will highlight the progress they have made across the 4 assessment objectives.

What enrichment opportunities are available and how do these support learning?

Art club is available after school; pupils need to speak to their teacher for further details. Regular homework tasks are set to strengthen understanding and improve control with the mediums.

Follow Art@GSHS on - https://www.pinterest.co.uk. .

https://www.wjec.co.uk/students/index.html

Where can I visit to help with my learning?

https://wmag.culturewarrington.org/whats-on/
https://www.whitworth.manchester.ac.uk/
https://www.tate.org.uk/visit/tate-liverpool
http://manchesterartgallery.org/
https://www.liverpoolmuseums.org.uk/walker/

Head of Department: Mrs Lorna Philcock. **L.Philcock@gshs.omegamat.co.uk**

Business Studies Curriculum Vision:
"We strive to prepare all pupils at Great Sankey High School to be workplace ready and digitally literate through sequencing a relevant and knowledge rich curriculum that enthuses, engages and challenges all. We will enable our business leaders to become autonomous and ambitious learners. We aspire for each of our pupils to be resilient, independent and creative."

In Business, we will help pupils to develop skills that will serve them well at A-Level and beyond, irrespective of the course and career they pursue after GSHS. In particular, pupils will learn how to consider human behaviour, use theory and analytical techniques and evaluate alternatives in the face of uncertainty. As well as improving their ability to interpret and present data in various forms, pupils will benefit from opportunities to progress other key skills such as Communication and Information Technology. Although many pupils will ultimately pursue careers in some area of business and therefore gain a direct benefit from having studied this subject, even those headed for less obvious commercial areas will benefit from an understanding of issues that are common to any organisation, such as motivation, project planning and budgeting.

During Business, pupils will pick up a multitude of skills and knowledge that will not only benefit them in their academic lives but also in their personal ones. As we look at a constantly changing picture in Business Studies, it allows us to monitor and evaluate the world as it changes in front of our eyes. Pupils will acquire skills such as analysis and problem solving through looking a current events and picking out the different ways that a business or government could tackle these issues. Pupils who do not go on to study in this discipline after key stage 4 or 5 will have a much deeper understanding of the working world and the economy which will place them in a much stronger position to make well informed decision as adults. Our wish for all pupils is that they become lifelong learners with a thirst to learn more.

Year 10 Business Studies Curriculum Aims:
To introduce all pupils to the business basics through a better understanding of the business environment. Pupils will investigate the reasons why businesses exist and the different types of businesses within the external environment. Pupils at Year 10 will develop their understanding of the role the businesses play within the wider community.

Year 10 Business Curriculum	Topics	Content
Term 1	Dynamic nature of business, Risk and Reward, Role of Enterprise, Spotting and business opportunity, Market research, Market segmentation	Pupils are introduced to these elements early as they form the basis as to why businesses exist and how businesses can become more successful through development and risk taking. Through studying these elements at the start of year ten learners are more able to assess why businesses make certain decisions and how external elements may affect the business.
Term 2	Business aims, business revenues, cash flow, sources of finance, start-up, location, marketing mix	These new elements build upon the learner's knowledge from term one. They are now required to think about the impacts of location upon the business and how marketing can influence their success. Pupils will also look at the importance of finance within the business and how this can be a significant influencing factor. This sets up the final term of Year 10.
Term 3	Stakeholders, technology, legislation, the economy, external influences.	The final part of Year 10 gets the pupils to now investigate further impacts on businesses and how businesses can impact upon the wider economy. This is a great section to finish with as pupils have gradually built up their understanding of how the business is placed within the wider context.

What resources can my child access for support?
Seneca, GCSE Pod, Microsoft Teams, revision guides and BBC Bitesize

What enrichment opportunities are available and how do these support learning?
World Enterprise week, external speakers and trips

Head of Department:
Daniel Hubball (Head of Business and Computing)
Email: d.hubball@gshs.omegamat.co.uk

Daniel Kerr (2nd in Business and Computing / Head of Computer Science)
Email: d.kerr@gshs.omegamat.co.uk

Exam board: Edexcel https://qualifications.pearson.com/en/qualifications/edexcel-gcses/business-2017.html

Computer Science Curriculum Vision:
"We strive to prepare all pupils at Great Sankey High School to be workplace ready and digitally literate through sequencing a relevant and knowledge rich curriculum that enthuses, engages and challenges all. We will enable our computer scientists to become autonomous and ambitious learners. We aspire for each of our pupils to be resilient, independent and creative."

In Computer Science, we will help pupils to develop skills that will serve them well at A Level and beyond, irrespective of the course and career they pursue after GSHS. In particular, pupils will understand and apply the fundamental principles and concepts of Computer Science including abstraction, decomposition, logic, algorithms and data representation. They will be analysing problems in computational terms through practical experiences of solving such problems including designing, writing and debugging programs. They will be expected to think creatively, innovatively, analytically, logically and critically. Pupils will also understand the components that make up digital systems and how they communicate with one another and with other systems.

During Computer Science, pupils will pick a multitude of skills and knowledge that will not only benefit them in their academic lives but also in their personal ones. As we look at a constantly changing picture in IT and Computing, it allows us to monitor and evaluate the world as it changes in front of our eyes. Pupils will acquire skills such as valuable thinking and programming skills that are extremely attractive in the modern workplace. Our wish for all pupils is that they become lifelong learners with a thirst to learn more.

Year 10 Computer Science Curriculum Aims:
The Year 10 curriculum in Computer Science aims to ensure all pupils are confident in a range of areas such as flowcharts, pseudocode, reading, writing and interpreting algorithms. Pupils will be able to apply this theory to a practical programming scenario; analysing, designing, developing and testing a solution to the problem.

Year 10 Computer Science Curriculum	**Topics**	**Content**
Term 1	Computational thinking, creating and refining algorithms, programming fundamentals, data types and programming techniques	These initial topics are to introduce pupils to the concept of abstraction and decomposition. They will be building on topics taught at Key Stage 3 with a focus on programming starting with flowcharts and pseudocode and converting this into a high level programming language. We use Python to deliver the programming elements of the course. These units will prepare pupils for their programming project in the next term which is a required component from the exam board.
Term 2	Programming Project in Python, types of testing, code maintainability, high and low level languages	In this term, pupils will apply the skills learnt in term 1 in a practical manner to a given scenario. Pupils will need to analyse, design, develop and test a program to solve a problem. From doing this, pupils will then be able to apply their practical skills to exam style questions resulting in them being able to read, write and interpret algorithms. The project is ongoing across 10-15 hours of lesson time whereby pupils will be expected to submit their completed code and documentation in the form a technical report to evidence their learning.
Term 3	Integrated development environments, searching and sorting algorithms, SQL and logic gates	The final term addresses the remaining aspects of Component 2 of the GCSE content. Pupils will understand all the concepts needed by this point to be able to competently complete exam style questions for paper 2. Pupils will sit a mock exam for Component 2 at the end of this term to reflect that they have been taught 50% of the course at this stage. This creates a good foundation going into Year 11 where pupils will learn the theory element of the course which will appear on Component 1.

What resources can my child access for support?
Craig and Dave YouTube Channel, Teach ICT J277 via: https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html, Microsoft Teams / OneNote classbook, Seneca Learning and GCSEPod

What enrichment opportunities are available and how do these support learning?
From Year 9 upwards, we offer the Cyber Discovery competition, where pupils are able to put their in class knowledge of cyber threats to the test and complete different challenges against other pupils across the UK. Pupils who progress through each round will continue to develop new skills but also have the opportunity to take part in a live simulation in London. We strive to peak pupils' interest in all areas of Computing through experimentation, independent design and working well as a team.

Head of Department:
Daniel Hubball (Head of Business and Computing)
Email: d.hubball@gshs.omegamat.co.uk

Daniel Kerr (2nd in Business and Computing / Head of Computer Science)
Email: d.kerr@gshs.omegamat.co.uk

Exam board: OCR https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020

Year 10 - Design and Technology Curriculum Vision

GCSE Design and Technology will prepare students to participate confidently and successfully in an increasingly technological world. Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise. Our GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials techniques and equipment. They will also have the opportunity to study specialist technical principles in greater depth. You can find out about all our Design and Technology qualifications at www.aqa.org.uk/designandtechnology.

Subject Content

At Great Sankey High School students have five lessons per fortnight in GCSE Design and Technology. In Year Ten students make three projects which will develop a number of new skills that will enable them to make an excellent project in Year 11 for their coursework. The aim of year 10 is to develop skills and knowledge across of all areas of the subject using various materials, tools, machines and processes. Your child will be provided with all of the materials and components they need to complete each project.

Coursework is 50% and the written exam is 50%

Exam

What's assessed?

Core technical principles. Specialist technical principles. Designing and making principles.

In addition: at least 15% of the exam will assess maths and at least 10% of the exam will assess science.

How it's assessed

Written exam: 2 hours 100 marks = 50% of GCSE Questions

Section A – Core technical principles (20 marks) A. mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding. Section B – Specialist technical principles (30 marks). Several short answer questions (2–5 marks) and one extended response to assess a more in-depth knowledge of technical principles. Section C – Designing and making principles (50 marks). A mixture of short answer and extended response questions.

Coursework - Non-exam assessment (NEA)

What's assessed?

Practical application of: Core technical principles. Specialist technical principles. Designing and making principles.

How it's assessed

Non-exam assessment (NEA): 30–35 hours approximately 100 marks • 50% of GCSE Task(s) • Substantial design and make task • Assessment criteria: • Identifying and investigating design possibilities • Producing a design brief and specification • Generating design ideas • Developing design ideas • Realising design ideas • Analysing & evaluating • In the spirit of the iterative design process, the above should be awarded holistically where they take place and not in a linear manner • Contextual challenges to be released annually by AQA on 1 June in the year prior to the submission of the NEA • Students will produce a prototype and a portfolio of evidence • Work will be marked by teachers and moderated by AQA

Year 10 DT GCSE	Topics	Content
Term 1	Metals Pupils will research, design, make and evaluate their Key Fob Project Revision for Exam Unit Section One – Key Ideas in Design and Technology	Pupils will develop skills and knowledge of Metals and Alloys whilst making a Pewter Cast Key fob. They research existing products, materials and processes. Students then produce a laser cut mould design in MDF which is then cast in Pewter. The pewter is then finished to a high standard and a hole is drilled for the key ring to be attached. Students will also complete revision for the exam unit using one lesson per week to focus on this. At the end of each unit students will complete an exam. In this term we focus on Technology in Manufacturing, CAD/CAM, Product Sustainability, Social Issues, Products in Society and Powering Systems.
Term 2	Polymers (Acrylic) Pupils will research, design, make and evaluate their Phone Holder. Revision for Exam Unit Section Two – Materials and Systems	Pupils will develop skills and knowledge of Polymers whilst making a Mobile Phone Holder. They research existing products, materials and processes. Students will produce a range of models and develop their ideas using 2D design, CAD and laser cutter, CAM to develop their ideas further until the final prototype is accurate and ready to be produced in Acrylic on the laser cutter. The acrylic is then finished to a high standard and bent using the line bender. The focus of this project is to make a high quality product which demonstrates accuracy and creativity. Students will continue to complete revision for the exam unit using one lesson per week to focus on this. Students will complete an exam on Properties of materials, Paper, Board, Timber, Alloys and Polymers, Textiles, Manufactured Boards, Electronic and Mechanical systems, Developments in New Materials.
Term 3	Woods and manufactured Boards Pupils will research, design, make and evaluate their Bird box Project. Revision for Exam Unit Section Three – More about Materials. Introduction to NEA on June 1st and research is completed in line with topics available. AO1 Identify, investigate and outline design possibilities (20 marks)	Pupils will develop skills and knowledge of Woods and Manufactured boards whilst making a Bird house. They research existing products, materials and processes. Students will use skills and knowledge from the two previous projects to design a creative bird house. Students will use a variety of hand tools and machines to create their product. The Wood turning lathe, mortise machine, shaper saw, jigsaw, router and planer will all be introduced during this project. The focus on this project is to allow students to develop skills using various machines and equipment and to become independent learners who understand the capabilities of all the machines within DT which will enable them to produce a high-quality product in their Year 11 coursework. Students will continue to complete revision for the exam unit using one lesson per week to focus on this. Students will complete an exam on selecting materials, forces and stresses, scales of production, quality control, quality assurance, production aids and the production of materials. Coursework topics are released, and students begin to research what is required for each project, they will then decide which area they are going to focus on for their NEA. (50% of overall grade) AO1 Section A - Identifying & investigating design possibilities - 10 marks **Final Assessment:** The students will complete an End of year exam which will mainly focus on the above sections 1,2 and 3. Students also complete a student survey at the end of each term to ensure the course is working for the students. Feedback is crucial to the success of the course.

What resources can my child access for support?

When completing homework and research tasks www.technologystudent.com is an excellent resource and there are many books in the LRC that can help. GCSE Pod is also an excellent resource especially for the exam component of the course.

What enrichment opportunities are available and how do these support learning?

Throughout the two years' students can visit Jaguar Land Rover to see how the Automation and assembly line works. We also have visits to companies in the area for example IKEA, Alucan and Amazon.

Head of Design and Technology – Julie Attwood
j.attwood@gshs.omegamat.co.uk

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Drama Curriculum Vision:

Great Sankey Drama Department holds the shared vision that is; for all students to experience drama as a powerful means to explore and question the world around them by placing themselves in others' shoes. This is the over-arching intent and will always be at the core of our subject beliefs. Through this we hope to instil a passion for Drama and Theatre. We aim to develop pupils' language register through work in role - using language in a greater variety of situations, for a variety of audiences and purposes, including presentations and debate. Our lessons develop an ethos of respect where all feel able to take risks, raise questions and challenge their own and peers' thinking and in turn experience, and thus develop empathy. Drama students will develop through our issue-based units' compassion, patience, understanding, generosity resilience, to become life-long learners.

Our curriculum is designed to enable students to understand how drama as an art form can communicate to an audience, be able to select and use performance skills and techniques independently and with purpose and to become a reflective practitioner as a result.

Our students will experience the cultural capital of drama through studying practitioners, playwrights, staging, history, styles, and genres. In addition, the ability to analyse and evaluate work is explored both practically and in written form which prepares them for further study at GCSE and provides pupils with a firm grounding in the subject.

Year 10 Drama Curriculum Aims:

The Drama curriculum has three main areas of focus, these are Making, Performing and Responding. Skills and knowledge in these are assessed both formatively and summatively throughout our KS3 curriculum and are the key skill areas for examination at GCSE. Our curriculum is split into half-termly units. Each unit encompasses key knowledge and skill development tasks delivered as starter activities, in addition to the main task of either performing, making or responding to practical work. Units cover process-based drama, a variety of genres/styles of drama and script-based work.

In Year 10 the curriculum is intended to build on skills and knowledge developed through the threads at KS3. Y10 students complete a mock of all units for assessment taking place in y11. Students use performance skills and techniques in more depth to demonstrate a greater understanding, are introduced to their Component 3 set text and will study practitioners and styles of Drama to incorporate into their Component 1 devised piece.

Year 10 Drama Curriculum	**Topics**	**Content**
HT1	Component 1 Prep & Mock	Introduction to devising: • Dramatic devices • Structure • Character • Practitioner/Genre Working with stimuli. Mock practical exam & portfolio
HT2	Component 3 Prep & Mock – Section A Focus	Introduction to Interpreting Theatre exam and the set text: Noughts and Crosses Mock written exam Section A only.

HT3	Component 2 Prep & Mock	Mini scripted performance approximately 5 minutes per candidate. Internal assessment: • Rehearsed • Costumed • Technical elements • Audience
HT4	Component 1 Further Investigation	Developing in-depth knowledge of Practitioners in preparation for C1
HT5	Component 3 Prep & Mock Section A recap & Section B focus	Watch live/streamed performance for Section B of C3 exam. Prepare notes. Further exploration and analysis of Noughts and Crosses and revision for Mock exam Section A&B (full)
HT6	Component 1 Exploration of Stimulus	Exploration of Stimuli released by exam board. Groups allocated and formal initial research begins.

What resources can my child access for support?

Your child will have access to resources through their online classrooms. Online platforms such as GCSE POD and BBC Bitesize have a fantastic range of resources covering the three areas of assessment focus. Students will be offered the opportunity to purchase revision guides for components 1 & 3.

What enrichment opportunities are available and how do these support learning?

We aim to organise at least one theatre trip per year, we believe accessing live theatre productions enhances students experience of the Arts and helps develop an appreciation for a variety performance styles. We have a professional theatre company that visit our school and perform for the KS4 students and then complete a workshop based around their performance style.

Our weekly extra-curricular Drama club is popular and offers further development of performance skills, through this there are performance opportunities. In addition, as part of the Performing Arts faculty we present a large-scale production, usually a musical, which we encourage pupils across all key stages to get involved with either as a performer, musician, backstage, technical or front of house team. In February 2024 we will be staging “Shrek” the Musical.

Head of Performing Arts Faculty: **Exam board: Eduqas**

Jo Cosgrove

j.cosgrove@gshs.omegamat.co.uk

English Curriculum Vision:

English has a pre-eminent place in Great Sankey High School and in the wider community. Our curriculum has been designed to ensure that all students have a chance to succeed, regardless of their starting points. Our seven curriculum threads are intertwined throughout the study of English Language and English Literature. In English, students will study a wide range of socially diverse texts to emphasise the reality of modern-day society and the world around them. All students will study canonical Literature texts, reflecting the rigorous and academic excellence of our subjects. All students have the right to study the discipline of English Literature; to consider how humans have found expression through rebellion, to understand the complexities of relationships and to interpret social inequalities through relevant contextual lenses. A 'Great Sankey English student' will develop a passion for reading for pleasure. They will appreciate a wide variety of fictional genres and explore the conventions of each, developing a clear understanding of how narrative, characters and themes are constructed, and why reader empathy is evoked in different contexts through authorial intent. All students will explore how the discipline of English Language creates a relationship between readers and writers. Students will actively seek to edit and improve, understanding that skilled writers will always reflect in a constructively critical manner on their work. They will strive to use ambitious and precise vocabulary in all areas of written and verbal communication.

We understand that the curriculum is integral to determining the life chances, choices, and opportunities for our students. Therefore, we will never compromise on our high expectations in the pursuit of greatness!

Year 10 English Curriculum Aims:

Throughout year 10, students will continue to build on their knowledge of literary devices, language techniques and writer's craft as they prepare the foundations for their GCSE English Language and English Literature courses. Year 10 is the start of GCSE English Language **(AQA)** and GCSE English Literature **(Eduqas)**

Year 10 English Curriculum	**Topics**	**Content**
Term 1	Eduqas Poetry Anthology *War* Cluster	***In KS4, assessments include a combination of "Weekly Writes", Master Class Lectures, Walking Talking Mocks and Whole Class Feedback. "Weekly Writes" are activities provided in order to support student skill development. The students are then able to implement these techniques within their writing in order to build up a skill repertoire.*** In this unit of work, students will study both contemporary poetry and poems from the Literary Heritage. Students will learn about the context of each poem; the overview of the poem; key ideas; the poets' use of language; and the structure of each poem.
	AQA English Language Paper 1	This unit of work will continue to build on students understanding of the craft of writing. Students will explore unseen prose fiction extracts, from classic and contemporary literature to create imaginative pieces of writing centred on the power of rebellion. Students will evaluate the language and structure within these texts with a focus on applying these devices to their own work. Students will plan, edit, craft, and refine their writing to develop their own style and voice when writing fiction texts.
	A Christmas Carol	This unit of work will allow students to consider multiple curriculum threads and contemplate the moral aspects of the human condition. literal and inferential comprehension: understanding a word, phrase or sentence in context; exploring aspects of plot, characterisation, events and settings; distinguishing between what is stated explicitly and what is implied; explaining motivation, sequence of events, and the relationship between actions or events critical reading: identifying the theme and distinguishing between themes; supporting a point of view by referring to evidence in the text; recognising the possibility of and evaluating different responses to a text; using understanding of writers' social, historical and cultural contexts to inform evaluation; making an informed personal response that derives from analysis and evaluation of the text
Term 2	AQA English language paper 2	Students will be exposed to a range of different extracts by 20th century writers. Pupils will begin to read critically by answering comprehensive style questions such as identifying and interpreting information; reading in different ways for different purposes; evaluating the writer's choice of vocabulary, form, grammatical and structural features.

	Eduqas Poetry Anthology *Power* Cluster Macbeth	In this unit of work, students will study both contemporary poetry and poems from the Literary Heritage. Students will learn about the context of each poem; the overview of the poem; key ideas; the poets' use of language; and the structure of each poem. This unit of work will build upon student's knowledge of Shakespearean tragedies and understanding of tragic heroes. students will learn about the concept of morality plays in the Jacobean era and about aspects of tragedy. Students will analyse the plot sequence, characters and themes and the context of the play.
Term 3	Macbeth AQA Spoken Language Endorsement	This unit of work will build upon student's knowledge of Shakespearean tragedies and understanding of tragic heroes. students will learn about the concept of morality plays in the Jacobean era and about aspects of tragedy. Students will analyse the plot sequence, characters and themes and the context of the play. The aim of the assessment is to allow students to demonstrate their speaking and listening skills by giving a presentation in a formal context; responding appropriately to questions and to feedback; asking questions themselves to elicit clarification and using spoken Standard English.

What resources can my child access for support?

Your child will have access to GCSE pod online.

www.bbcbitesize.com

What enrichment opportunities are available and how do these support learning?

There are a multitude of reading and writing competitions running each term in the LRC to encourage students to actively read widely. The English department offer a website club for students with an interest in journalism and the media, and there is a popular Dungeons and Dragons club providing an excellent for students of all year groups to escape to a fantasy world once a week.

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Food Preparation and Nutrition Curriculum vision:

Once students have opted for GCSE Food Preparation and Nutrition we aim to build on the basic principles set out in the National Curriculum. 'As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.' Our goal is to inspire students to be creative and imaginative, whilst applying their skills and knowledge to solve real and relevant problems, considering their own and others' needs, wants and values. Through cooking and nutrition, we encourage our pupils to take risks, become resourceful, innovative, enterprising and capable citizens.

Year 10 Curriculum Aims:

Whilst studying AQA Food Preparation and Nutrition, students are challenged to learn more about the science behind food, healthy eating and the role of foods in the body, as well as, the implications our food choices have on the environment and world around us. The course provides pupils with the opportunity to delve into interesting and thought-provoking theory, apply their knowledge and understanding in written and practical work, and participate in food science experiments and relevant, up-to-date task briefs to challenge their creativity and practical skills.

Subject content

Students usually have two theory lessons and two practical based lessons every two weeks. The work is totally focused on the requirements of the AQA course, which states that the majority of the specification should be delivered by preparation and making activities. Activities prepare students for the demands of the NEA1 (investigational task) and NEA2 (a creative challenge) – these are worth 50% of the final grade. All the work is divided into individual units and booklets are produced to keep all the work logical and easy to revisit in terms of revision.

Year 10 Food Preparation and Nutrition Curriculum	Topics	Content
Term 1	Eatwell guide. Why food is cooked. Carbohydrates. Protein. Fats. Vitamins. Minerals. Water.	Initially students will revisit the Eatwell guide and be asked to apply the principles to a specific recipe and produce and original outcome. They will then move on to look at macro-nutrients in detail, exploring how they are classified, what is the function of each, know good providers and the effects of deficiency and excess. There will be focused practical tasks to develop distinct skills such as cake making, sauce production, filleting a fish and portioning a chicken, as well as free choice practicals to meet a particular need. These allow students to develop their creative side whilst also meeting a functional need. Within the term, students will also carry out a number of investigations to introduce them to the demands of the NEA1. **Eatwell Guide.** **Why food is cooked –** safety, variety, eating qualities. Different methods of heat transfer. **Carbohydrates.** Nutrition – starch, sugars and dietary fibre. Science – gelatinisation, dextrinization and caramelisation. **Protein.** Nutrition – HBV and LBV, complementation and protein alternatives. Science – denaturation, coagulation, gluten formation and foams. **Fats.** Nutrition – saturated, unsaturated (mono and poly) Science – shortening, aeration, plasticity and emulsification. **Vitamins.** Nutrition – fat soluble, water soluble and antioxidant ability. Science – enzymic browning and oxidation. **Minerals.** Nutrition – calcium, iron, sodium, fluoride, iodine and phosphorus.
Term 2	Food spoilage. Micro-organisms in food production.	Food safety is the initial focus for term 2. Students will learn key temperatures and be able to name different food poisoning bacteria and their sources and symptoms. Food production will then be studied and the difference between primary and secondary processing techniques will be

	Types of bacteria. Food production. Grown, reared and caught. Seasonality. Environmental factors. Fairtrade. Technological developments. Factors affecting food choice. Different cuisines.	identified. Students should be able to categorise foods according to whether they are grown reared or caught. Environmental factors and sustainability will be another area for discussion. Factors affecting food choice will be explored in relation to current lifestyle patterns. This will give students a chance to discuss the impact of modern life on technological developments, new product design and the health of society. Life stages and energy needs are another interesting aspect, allowing an opportunity to develop an original design for a specific need. Religious influences, international cuisine and British cuisine will finish off the term with a look at protected designation of origin. Functional properties of ingredients and high level skills then work hand in hand as we aim to seek practical excellence. Products such as Fruit Tarts made from pâté sucrée and crème patisserie and Eccles Cakes push students to show skill, quality finishing techniques and the ability to produce consistent products. Time management and organisational skills will really come into play in these lessons. **Food spoilage** – bacterial growth, high risk foods and key temperatures. **Micro-organisms in food production** – blue cheese, yoghurt and bread. **Types of bacteria** – name, source and symptom. **Food production** – primary and secondary processing. **Grown, reared and caught.** **Seasonality.** **Environmental factors** – production of meat and dairy, food processing, packaging and transportation. **Fairtrade.** **Technological developments** – fortification, GM, cholesterol lowering products. **Other factors affecting food choice** – PAL, celebration, cost etc. **Religious influences.** **International cuisine.** **British cuisine.**

Term 3	NEA2 format. Dietary related diseases. Energy needs. Dietary analysis. Packaging and labelling Raising agents.	Students will research different dietary related diseases, then choose one to focus on for a mock NEA2 task. They will need to showcase technical skills and select three final dishes to produce in exam conditions – this will help them to prepare for the real exam next year. They will apply their knowledge of nutrition to their products using the information generated by the nutritional analysis program. In addition, they will look at costings and food provenance related to the final solutions. **NEA2: Diet, nutrition and health.** Dietary related diseases focus. Energy needs. Mini NEA – to include practical skills focus. Dietary analysis – use of Jenny Ridgwell program. Packaging and labelling – mandatory and voluntary information. **Raising agents.** Chemical, biological and mechanical.

What resources can my child access for support?
All the units are assembled in easy-to-use booklets – these contain facts, knowledge check tasks and related recipes. Your child will be provided with a KS4 cookbook, with a full range of tried and tested recipes included. All recipes are star rated for skill level so students know the level of challenge they are taking on.
Pupils are encouraged to cook at home. There are lots of fantastic cookbooks in the LRC and a reliable website is www.bbcgoodfood.com

What enrichment opportunities are available and how do these support learning?
We conduct an Interhouse competition where pupils are challenged to produce a technical dish. The purpose of this activity is to encourage teamwork and instil a 'love of cooking'. Another opportunity is to cook as part of the Duke of Edinburgh Award scheme – this will count towards the skills section. Masterclasses are held after school to further enhance skills. There will also be in house challenges, where students can choose a mild, medium or hot recipe to make at home. Photo entries are then submitted and displayed outside the Food Technology rooms to inspire others and showcase the talent we have in school.

Exam board AQA https://filestore.aqa.org.uk/resources/food/specifications/AQA-8585-SP-2016.PDF

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Geography Curriculum Vision:

A 'Great Sankey Geographer' is an informed citizen of the world with an understanding of how their lives are connected to others and shaped by the environment that we live in. A Geographer is someone that is curious about the world and thinks responsibly about how the world affects us all. Our job at Great Sankey is to create a Geographer with the knowledge of places within every continent and the physical and human features that comprise each place. For all young Geographers, it is important to have a good understanding of the social, political, economic and environmental factors that affect places from a local to a global scale.

Geography is a fascinating subject that is always changing. Geography is classed as a Science whereby 'Geo' means earth and 'graphy' means description. A Geographer is someone that studies the Earth. In the words of my hero David Attenborough:
"It seems to me that the natural world is the greatest source of excitement; the greatest source of visual beauty; the greatest source of intellectual interest. It is the greatest source of so much in life that makes life worth living." — **David Attenborough**

Geography is separated into 'Human' and 'Physical'. The Human geography is a branch of geography that deals with the study of people and their communities, cultures, economies, and interactions with the environment by studying their relations with and across space and place. The Physical Geography is the study of natural processes and patterns. These include the atmosphere, hydrosphere, biosphere and geosphere. We live in a world of amazing beauty, infinite complexity and rigorous challenge. Geography is the subject which opens the door to this dynamic world and prepares each one of us for the role of global citizen in the 21st century. Through studying geography, people of all ages begin to appreciate how places and landscapes are formed, how people and environments interact, what consequences arise from our everyday decisions and what a diverse range of cultures and societies exist and interconnect. Geography is a subject which builds on young people's own experiences, helping them to formulate questions about the Earth.

Year 10 Geography Curriculum Aims:

The GCSE Geography course is with AQA. We teach the new SPEC from 2016 onwards. Each student has a full copy of the Specification. Geography is made up of three exams:

1. Living with the Physical Environment (1hour 30 minutes) 35%
2. Challenges in the Human Environment (1 hour 30 minutes) 35%
3. Geographical Applications (1 hour and 15 minutes) 30%

Year 10 Geography Curriculum	Topics	Content
Term 1	The Challenge of Natural Hazards	We start year 10 by looking at tectonic activity and how this can be managed to reduce the effect on communities. We also look at atmospheric hazards such as tropical storms and their effect on the environment, as well as extreme weather in the UK. We go on to study climate change management from mitigation to adaption.
Term 2	The Changing Economic World & Urban Issues	In the spring term we move on to look at the global variations in the quality of life of certain populations. We look at various strategies to reduce the global development gap as well as how Lagos in Nigeria is experiencing fast economic growth, and the opportunities & challenges this rapid growth presents. We then finish by analysing major changes in the economy of the UK, with a focus on Liverpool.
Term 3	UK landscapes: Coasts	In the final term we focus on how the UK's coastlines are shaped. We look at coastal landforms and how they are a result of physical processes. We also consider the management strategies that are used to protect these areas.

What resources can my child access for support?

www.aqa.org.uk GCSE POD www.exampro.co.uk www.senecalearning.com www.s-cool.co.uk www.internetgeography.net www.coolgeography.co.uk

What enrichment opportunities are available and how do these support learning?

Geography intervention once a week with the class teacher. Revision guides and revision cards can be purchased from school.

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Graphic Design Curriculum vision:
Creativity is at the heart of our vision for Graphic Design students. In school the subject sits in the Design & Technology department and embraces traditional Art & Design techniques with new technology. Our vision is to make our students versatile multi-disciplined designers. The course is designed to build skills based whilst teaching the theory that relate to the skills, techniques and designers that they are currently producing work around. Our students study NCFE technical award Level 2. This is a new specification but this builds on the course that we have already taught with the same exam board. Students are asked to produce coursework and have a written element in year 11. It is designed to give students a well-rounded project-based introduction into the world of graphic design. Students will use industry standard software, produce a professional portfolio and learn about the wider culture of graphic design to prepare then to progress to A-Level, enter an apprenticeship or study to complement their other GCSE's.

Year 10 Curriculum Aims:
Year 10 is both a foundation year and a skills-based introduction to Graphic Design. Students will be taught design from a basis start and show how to print, draw, illustrate and bring projects together. Knowledge of the subject will be taught through project based hands-on learning. Each time students research, develop and produce work they will look at the inspiration, materials, techniques and processes involved. The work they create will form some of the content for their coursework to be produced in year 11. The course will introduce them to famous graphic designers and look at typography and understand some of the basic terminology they will need to communicate their ideas and evaluate the work of others.

Subject content:
Learners will develop skills and knowledge: in using different tools and equipment competently, when experimenting with materials and techniques, in adapting their own ideas and responding to feedback and in evaluating their own work that are essential for the modern workplace, such as team working; presentation skills; independent working; working to deadlines; efficient use of resources.

Year 10 V-Cert Technical award in Graphic Design	**Topics**	**Content**
Term 1	Introduction to graphic design. Typography. Designer research group & individual.	Year 10 is about skills building and an introduction to design through task-based learning. Students will learn skills through projects and these projects will form finished work that will go towards the evidence portfolio that students will be assessed on in year 11. Use hand & computer skills and producing own typography. Lino and foam printing of the letters designed earlier in the term. Visual Dictionary to understand terminology.
Term 2	Line, tone, and imagery, Printing, magazine project. Commerical graphic design. Packaging.	Continue Lino and foam printing of the font. 26 letters, photography. Grid systems and commercial printing methods and packaging. Industrial processes, ways of working and their relevance to student's work.
Term 3	Final project - stationary set. Composition & imagery. Mock exam.	Research a brief and look at existing products. Students design their own motif and explore pattern and composition. Preparation and revision of Graphic Design theory.

What resources can my child access for support? The exam board's website will have sample materials and information including mark schemes and assessment criteria. The Graphics department will also have a Pinterest site, with lots of inspiration and example of good Graphic design to encourage students to widen their diet of the subject. The class also have a Teams classroom page, which your son or daughter will be signed up to, where I post information/materials, classroom and homework. You can also sign up to this if you contact me via email where you will be able to read content as a guardian. YouTube is a great resource of 'how to's' especially of techniques and especially how to use the main computer programmes the students use. Plus, information on how to improve Photoshop and Illustrator skills in available from the Adobe website. Parents main also choose to purchase those programmes on a monthly fee but there is no obligation to do so as coursework must be completed in school time. https://www.adobe.com/uk/education.html?marketSegment=EDU

What enrichment opportunities are available and how do these support learning? Graphics after school intervention takes place every Wednesday all year and is open to year 10 & 11. We also run A-Level Graphic Design are there are opportunities to receive help from older students.

Exam board **NCFE https://www.qualhub.co.uk/qualification-search/qualification-detail/ncfe-level-12-technical-award-in-graphic-design-5169#SupportMaterials**

Lead Teacher

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History Curriculum Vision:
To provide an education that allows students to develop a greater understanding of the world we live in and why it is the way it is. It will give students the skills and confidence necessary to challenge what they see and are told in the wider world. By studying history students are able to understand their place in the story of not just Britain but the wider world view. In an ever-changing word it is important for students to have the skills to be able to identify fact from fiction, why someone may want to mislead or manipulate an event and how to identify and learn from lessons in the past.

Year 10 History Aims:
A year 10 historian is able to build on the skills they have studied in since year 7 to not only pass their GCSE with confidence but to go into the world with a sound knowledge of history and a love of learning that will go beyond a set of exam certificates.

Year 10 History Curriculum	**Topics**	**Content**
Term 1	How was royal authority challenged? Who were the reformers?	Students start GCSE history by studying the topic of Britain Power and the People, this topic of 13 case studies covers the creation of modern parliament from Magna Carta to the Brixton riots. In this section we look at how royal authority was challenged from Magna Carta to the American Revolution. Again, students are assessed at the end of units whilst also sitting assessments from the 1st topic
Term 2	How was equality achieved? What was the Treaty of Versailles and why did it fail? Was the League of Nations destined to fail?	In the spring term we begin GCSE history with a study of the aims of the big three, the terms of the Treaty of Versailles and how different countries reacted to it and why. This then develops into questioning the impact of the Treaty of Versailles and did it achieve its aims. After this we study the structure of the league of nations and how effective it was in the 1920s and 30s and whether it was destined to fail from the very beginning or did fail as a result of events outside of their control. Each until is tested with a full one hour assessment as well as consistent retrieval practise throughout the topic.
Term 3	What were the origins of the 2nd World War?	In the spring term we complete the first topic of GCSE history by looking at the origins of the 2nd World War. Students will be able to make a judgement on why the war began and could it have been prevented. Throughout the topic students will be building on schemas that began in year 9. The year ends with a full two hour mock in the exam hall that covers all of the content taught in year 10

What resources can my child access for support?
Students can access core information within their knowledge organisers, the ILC has a broad range of reference books alongside copies of the AQA published hindsight magazine. There is also GCSE pod, AQA approved revision guides and GSHS workbooks to support learning.
Exam board: AQA specification
What enrichment opportunities are available and how do these support learning?
There is a ks4 drop in sessions for students to provide extra support. There is also a ks4 battle fields trip to supplement the learning of GCSE students.

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IT Curriculum Vision:
"We strive to prepare all pupils at Great Sankey High School to be workplace ready and digitally literate through sequencing a relevant and knowledge rich curriculum that enthuses, engages and challenges all. We will enable our computer scientists to become autonomous and ambitious learners. We aspire for each of our pupils to be resilient, independent and creative."

In IT, we will help pupils to develop skills that will serve them well at A Level and beyond, irrespective of the course and career they pursue after GSHS. In particular, pupils will understand and apply the fundamental principles and concepts of Information Technology including the use of IT in the digital world, Internet of Everything, data manipulation and Augmented Reality. They will be understanding, applying and using IT appropriately and effectively for a purpose and audience. They will be expected to think creatively, innovatively, analytically, logically and critically. Pupils will be expected to plan, design, create, test and evaluate IT solutions and products which are fit for purpose and meeting user or client requirements and apply design and Human Computer Interface (HCI) considerations appropriate for a defined audience.

During IT, pupils will pick a multitude of skills and knowledge that will not only benefit them in their academic lives but also in their personal ones. As we look at a constantly changing picture in IT and Computing, it allows us to monitor and evaluate the world as it changes in front of our eyes. Pupils will acquire an insight into the impacts of digital technologies on the individual, organisation and wider society. Our wish for all pupils is that they become lifelong learners with a thirst to learn more.

Year 10 IT Curriculum Aims:
The Year 10 curriculum in IT aims to ensure all pupils are confident in a range of areas such as flowcharts, Gantt charts, planning, developing and testing IT solutions and products. Pupils will be able to apply this knowledge to manipulate data, consider IT in the digital world and through the generation of their own augmented reality (AR) app.

Year 10 IT Curriculum	Topics	Content
Term 1	Data Manipulation using Spreadsheets. Planning and designing a spreadsheet solution, creating a spreadsheet solution, Testing and evaluating a spreadsheet solution.	These initial topics help to set the scene for the course. They introduce the pupils to why it is important for businesses and IT projects to think about how they construct plans and keep on top of their plans. Pupils then look at tools that can help with this such as Gantt charts and flowcharts. They also then look at the importance of SMART objectives in effective planning and implementation. This knowledge helps pupils with many aspects of the course that they will do at a later stage.
Term 2	IT in the Digital World. Human Computer Interface, Cyber Security, Legislation, Digital Communications and The Internet of Everything.	Pupils now take things a step further and look at the ways that data and information are used and the differences between these two areas. They will look at how data is stored and the problems with this from a security and storage perspective. They will also look at the different ways that data can be presented.
Term 3	Augmented Reality. Devices and industries that use AR. How to create an AR prototype.	In the final term, pupils will have a chance to resit/improve on their Non Exam Assessment from Term 1 to ensure the best possible grade. They will then move on to Augmented Reality. Pupils will learn what AR is, what it is used for, and how it is used. Pupils will plan, design, develop and test a prototype version and will be able to see their creation work on multiple devices.

What resources can my child access for support?
Craig and Dave YouTube Channel, Teach ICT, Microsoft Teams / OneNote classbook, Seneca Learning and GCSEPod

What enrichment opportunities are available and how do these support learning?
From Year 9 upwards, we offer the Cyber Discovery competition, where pupils are able to put their in class knowledge of cyber threats to the test and complete different challenges against other pupils across the UK. Pupils who progress through each round will continue to develop new skills but also have the opportunity to take part in a live simulation in London. We strive to peak pupils' interest in all areas of Computing through experimentation, independent design and working well as a team.

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Exam board: OCR https://www.ocr.org.uk/qualifications/cambridge-nationals/it-level-1-2-j836

Mathematics Curriculum Vision:

Mathematics is a universal language and one that our department is completely passionate about at all levels. It is a fundamental skill that is needed for everyday life and for understanding the world around us. Key to areas such as finance, science, technology and engineering, it is vitally important that a learner has the best possible grounding in mathematics from their education. They need to understand the mathematics they learn to approach problems that need to be solved creatively, whilst showing a level of confidence and fluency in using and enhancing the mathematical skills that are valued highly in industry and higher education.

Building upon the ten core values that are at the heart of our school, the department are tasked with delivering Quality First Teaching across all Key Stages utilising methods based on research. Regardless of the ability they are teaching, they encourage learners to develop their potential to the fullest. This is coupled with showcasing their enthusiasm and knowledge of our phenomenal subject to engage and engross all stakeholders in our learning community.

Year 10 Mathematics Curriculum Aims:

Year 10 builds upon the skills developed in the previous year to continue extending understanding in the core strands of Number, Algebra, Geometry and Measure, Ratio, Proportion and Probability and Statistics. As part of the Recovery Curriculum, we will continue to revisit key skills that students need to be successful in the subject as retrieval activities or recaps.

Year 10 Mathematics Curriculum: Foundation	Topics	Content
Term 1	Number – rounding and estimating then lead into error intervals and basic bounds. Number – Fractions and Percentages Algebra - expanding and factorisation of quadratics and then solving. Geometry – area and perimeter of 2D shapes including semi and quarter circles, this will link into ratio and fractions. Ratio – simplify including form 1 : n, sharing ratio then lead into direct and indirect proportion, recipes, best buy then incorporate scale maps and drawings Probability – sums to 1, language of probability, two-way tables, sample space, equally likely outcomes Algebra – solving linear equations using function machines and including setting up to solve then rearranging formula and work with inequalities.	Starting the academic year with number - rounding and approximations have an important part in creating boundaries in which we can work between as well as providing us with an approximate area that an answer will be in. Students will get the opportunity to extend learning to error intervals and basic bounds. Students further develop their number skills by revisiting fraction amounts, calculating with fractions and then percentages by extending onto increases, decrease, reverse, change, simple interest, and compound interest. The key concepts of percentage change and reverse percentages will look to develop the skills of students who are aiming for a Grade 5. The development of algebra is the next area we look at with developing the skills needed to expand and factorise expressions to quadratics then extend onto solving. This unit looks at the area of 2D shapes such as rectangles, triangles, parallelograms, trapezia and compound shapes, before moving onto circles and related areas e.g., semi circles and quarter-circles. The link to expanding brackets is interweaved in calculating area of shapes. This then leads onto ratio and proportion where students start to simplify ratios in the form 1: n, they then work on more complex word problems for sharing ratios. Scale maps and drawings are interweaved into this topic to support learning with ratios then they will develop skills for direct and indirect proportion, best buys, and recipes. Students them move onto probability and looking at the language of probability and equally likely outcomes including sums to 1 and sample space. We then shift focus to algebraic elements such as developing the ability to set up and solve linear equations, rearrange formulae and the ability to work with inequalities which are an essential element of financial mathematics and education.
Term 2	Algebra – linear graphs including equation of straight line in the form y = mx + c – link to sequences and nth term rules. **Assessment 1 –**	The second term starts with working on linear graphs, including finding midpoints and gradients, which are a key aspect of cross-curricular understanding in Geography, Business Studies, and Physics.

	Geometry – Transformations including column vectors and an introduction to similarity and congruence. Geometry – angles, construction, and loci. Statistics – Interpreting Data and Averages including charts and graphs. Geometry - volume and surface area extending onto spheres, cones, and pyramids. Algebra and number – linking standard form and laws of indices.	Review learning so far in year 10. It then moves onto looking at transformations of shapes, which is also of key use in computing and Art and Design. It looks at column vectors, similarity, and congruent shapes. Students then look at angle properties and being able to construct shapes and other geometric features using a ruler and a pair of compasses/a protractor. Being accurate with measuring is important at home and at work in areas such as design and building or large or small projects. Students become data rich by looking at the calculation and interpretation of averages, a key skill needed not just for mathematics, but for scientific subjects, Geography and Business Studies. Students will interpret statistical diagrams- such as scatter diagrams, pie charts, frequency polygons and bar charts (including multiple bar charts) to name but a few. These are another key element of not just mathematics but of numeracy across the curriculum. Next, we look at volume and surface area which allows for students to gain skills and understanding of things such as capacity of liquids and real-life applications of surface area, such as paint and the amount of space a tin of paint will cover when applied to a wall. This extends onto volume and surface area for more complex shapes when given the formula. To finish term two student's look over linking standard form and the laws of indices together.
Term 3	Algebra – substitution first then link to solving simultaneous equations algebraically and graphically. Pythagoras and basic trigonometry – finding lengths and angles. End of year assessments are mock papers.	In the final term we start off by students having an introduction into simultaneous equations and work on their logical skills to be able to effectively communicate on paper what they are trying to achieve on their way to solving the pair of equations. They will extend onto graphical too to see the link. Students will then finish off term 3 by getting the opportunity to extend their learning with finding lengths using Pythagoras and trigonometry. Students will finish year 10 off by completing some GCSE mock examination papers to determine any areas to work on in preparation for year 11.

Year 10 Mathematics Curriculum: Higher	Topics	Content
Term 1	Number – Fractions and percentages including recurring decimals. Geometry – Transformations – include column vectors, negative and fractional scale factors for enlargements. Ratio – complex word problems involving ratio equivalents and fractions, proportion working algebraically with constant (k) Probability – all areas and include Venn and unions. Number – standard form, indices, and surds Algebra - Rearranging and representing inequalities, Solving inequalities including quadratics, solving simultaneous equations algebraically and graphically, identifying regions Geometry – review Pythagoras and look at it in 3D and context.	We start the term by looking at number and at percentages and fractions ensuring students are completely proficient at them, including in AO3 situations where they need to be able to identify the concepts, they need to use to solve a more contextualised problem. Students then work on transformations and will utilise the four key methods and its nuances, such as what happens when the scale factor of an enlargement is negative. It will link in vectors, which works in two ways – firstly looking at calculations using column vectors, such as addition, subtraction, and multiplication and, secondly, the vector notation and working with vector geometry, which is a key element of working with forces within Mechanics at A-Level Mathematics. We then move onto ratio and develop skills to work on more complex worded problems within ratio. This will lead into direct and inverse proportion working algebraically with constant (k) Students move onto probability and work through all aspects including non-replacement and replacement probability trees and using Venn diagrams with unions. This will then follow on to standard form, the laws of indices, alongside working with surds, allowing students to develop key skills that they will need both at GCSE and beyond into Level 2 Further Mathematics and A-Level Mathematic. Next, we move towards algebraic elements such as developing the ability to rearrange formulae and the ability to work with inequalities which are an essential element of financial mathematics and education. We then move to inequalities in both a linear and quadratic sense. Both elements are important for GCSE but are also an important part of the mathematics course to develop for A-level, especially the section on quadratic inequalities. This unit will also link simultaneous equations algebraically and graphically along with identifying regions. The final part of this term focuses on geometry with building and consolidating understanding of Pythagoras in 2D but then extend into 3D.
Term 2	Geometry – exact trig values, basic trigonometry, and further trigonometry. **Assessment 1** Geometry – volume and surface area; including spheres, cones, pyramids, frustums, similarity. Vector geometry will be taught here too. Algebra - Graphs including curved graphs, midpoints, rates of change, area under a curve, distance-time, and velocity-time graphs.	The second term begins by working with exact trig values, recapping basic trigonometry then extending onto the sine and cosine rules. Students will look at calculating area of non-right angled triangles using trigonometry. Assessment is on everything so far taught in year 10 We then look at area and volume of 2D and 3D shapes and extend it into its applications such as working with similar shapes. Understanding the effect of Scale Factors into 2D and 3D is a fundamental important of modelling things such as population increase in Geography and virus growth patterns in Biology. Vector geometry will be introduced at this point in year 10. They have seen column vectors earlier on but not vector geometry. Next, we focus onto looking at Graphs and their key features. Students will gain an important insight into the reasons why we calculate the midpoint and gradient. This then moves into Distance-Time and Velocity-Time graphs, where the properties gained in the first part of the

	Geometry – angle review, parallel lines and polygons which then leads into circle theorems including links to geometric proof.	term are applied to solve problems such as finding the gradient of the tangent to the curve and interpreting what it means in the context given e.g. rate of change. We continue the term by looking at angle facts, polygons then extend onto circle theorems, which give students the opportunity to deliver understanding of the topic via effective communication and logical thought whilst solving problems given to them on the topic area.

Year 10 Mathematics Curriculum: Higher	Topics	Content
Term 3	Algebra – all elements of quadratic and algebraic fractions, linear and quadratic sequences. Statistics – averages, charts, and graphs. Mock assessment – assess knowledge and any misconceptions prior to going into year 11.	Term 3 starts with looking at more algebra topics where we continue to develop students' abilities with quadratic expressions, equations and functions and extend it into the applications arriving from working with algebraic fractions, a fundamental part of the A-Level Mathematics course. Students link in linear sequences and using the knowledge to extend onto quadratics sequences at this point. Students become data rich by looking at the calculation and interpretation of averages, a key skill needed not just for mathematics, but for scientific subjects, Geography and Business Studies. Students will interpret statistical diagrams- such as scatter diagrams, pie charts, frequency polygons, cumulative frequencies, box plots and histograms. These are another key element of not just mathematics but of numeracy across the curriculum. We then review the year by conducting mock examinations in preparation for year 11. The mock examinations will also review all the areas of strength and development that students have built up from their course so far and plan towards Year 11.

What resources can my child access for support?

The department subscribes to MathsWatch and encourages the use of GCSEPod for which students are provided with logins for both. Students also have access to Kerboodle where our textbook that links to our programme of study are located. The excellent resources on Corbett Maths, including the 5-a-day questions, worksheets and exam-style questions are also an excellent resource to use, along with BBC Bitesize and Seneca Learning provide additional support for students.

What enrichment opportunities are available and how do these support learning?

Year 10 students can attend weekly support sessions in the Mathematics Department that allow them to develop and enrich their mathematics skills
High-achieving students can start on a pathway where they in Year 10 look at the components of GCSE Statistics moving onto the AQA Level 2 Further Mathematics Qualification in Year 11. In addition, they also are invited to sit the UKMT Intermediate Mathematics Challenge in February.

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Mathematics Exam board
AQA 8300

Media Curriculum Vision:

A 'Great Sankey Media Student' is creative, original and has a passion for communication. They will investigate the codes and conventions of specific media texts across the three main industry sectors: Moving Image, Publishing and Interactive. They will research products, developing analytical skills and understanding of composition, images and editing. They will understand how and why media texts are constructed to provide meaning for a target audience. They will develop original and innovative production ideas, and create media texts that fulfil a set brief, using relevant technology and software. They will be able to refine and improve their productions and evaluate their effectiveness. They will strive to use technical terminology in their written communication. They will study a truly contemporary subject which is relevant to all. The media saturates everything we do in the developed world – a great media student will use these tools to analyse and critique the media which pervades their lives.

The creative media sector is a dynamic, growing and rewarding sector to work in, with new opportunities arising continually. The UK's creative industries are now worth over £84 billion per year to the UK economy. Working in the creative media industry involves a wide range of practical processes, skills and techniques – from broadcast media to increasingly interactive products and platforms. As digital technology continues to evolve, media techniques have become more sophisticated and media products are becoming more advanced. However, what has not changed is that media products still have the power to enthral, intrigue and affect audiences.

Year 10 Media Curriculum Aims:

Throughout Year 10 Media students will be analysing the relationships between media products, their purpose and specific audiences and they will develop the necessary skills and techniques needed to demonstrate imaginative application pre-production, production and post-production.

Year 10	What will pupils' study?	Where and why?
Term 1	**Component 1** Learning Aim A – Investigate Media Products	Working to a vocational brief, students will produce an in-depth report analysing examples of past and present media products across the three different sectors, and how they are created to engage a target audience. Students will investigate how media products are created, focusing on: • the narrative of the product • the generic influences and how the products use or subvert the codes and conventions of that genre • representation of people, places, issues and events • how genre, narrative and representation combine to create meaning for the audience • how different audiences may interpret the product.
Term 2	**Component 1** Learning Aim B – Explore how Media Products are created to provide meaning and engage audiences The Pearson-set Assignment will be completed in approximately 10 hours of supervised assessment. 60 marks	Students will investigate how media products are created, focusing on: • the narrative of the product • the generic influences and how the products use or subvert the codes and conventions of that genre • representation of people, places, issues and events • how genre, narrative and representation combine to create meaning for the audience how different audiences may interpret the product. **Component 1 Formal Assessment – April -** The Pearson-set Assignment will be completed in approximately 10 hours of supervised assessment.
Term 3	**Component 2** Learning Aim A – Develop and Apply Media pre-production skills and techniqques	Working to a vocational brief, students will produce a portfolio showing development of media production skills and techniques. • producing detailed planning for the visual style, content and structure of a media product • demonstrating a wide range of skills and techniques for creating content for media products

What resources can my child access for support?

https://www.bbc.co.uk/bitesize/subjects/ztnygk7

https://www.bfi.org.uk/

https://www.screenskills.com/careers/job-profiles/

What enrichment opportunities are available and how do these support learning?

We run a trip to Odeon Cinema and Warner Bros Studios (Making of Harry Potter film workshop) - to enhance learner experience.

We will be visited by industry experts for Q&A, workshops and technical skills. Specialist software will be available.

Exam board Pearson BTEC - https://qualifications.pearson.com/en/qualifications/btec-tech-awards/creative-media-production-2022.html

Course Title - *Pearson BTEC Level 2 Tech Award in Creative Media Production (2022)*

Head of Department L Douglas, L.Douglas@gshs.omegamat.co.uk

MFL Vision

A 'Great Sankey Linguist' will have a strong desire to be able to communicate in another language. They will appreciate the concept that 'English is not enough' and they will have a deep interest in broadening their knowledge of the cultures of the people who speak the language they study. They will be open-minded and have a desire to learn about the customs, traditions and daily routines in countries around the world. They will be risk-takers and be willing to take on the challenge of communicating in a language other than their own native tongue. They will develop the ability to express themselves in a different language through an increasingly growing vocabulary and a deepening knowledge of grammar. They will become more confident as their fluency and spontaneity increase and will develop the linguistic skills which could enable them to pursue the study of further foreign languages. In our global society, where there is a strong likelihood that future employment will transport today's young people to distant horizons, the ability to speak a foreign language is and will continue to be, a much sought-after skill.

Year 10 French GCSE Curriculum Aims:
The aim in year 10 in the first year of the GCSE course in French is to enable students to develop their French language skills and to equip them with the knowledge to communicate confidently in a variety of contexts. There is equal emphasis on the four skills of speaking, listening, reading and writing and students will simultaneously strengthen these skills and expand their cultural knowledge of France and the French-speaking world. Students will be able to understand and provide information and opinions about a range of themes relating to their own experiences as well as those of other people including those of people living in France and countries and communities where French is spoken.

Year 10 MFL Curriculum	**Topics**	**Content**
Term 1	Current and future study: School life, school rules, differences between French and British school Local, national and international areas of interest: transport, holiday destinations, accommodation, facilities, weather, regions of France, main cities **Grammar**: modal verbs, expressions of obligation 'il faut + infinitive, forming the imperative, re-visit perfect tense, imperfect tense, sequencers	Students will be able to understand personal and factual information from longer and more complex spoken and written texts. They will be able to express their viewpoints about their schooling and aspects of school life. They will be able to express disagreement and agreement. They will be able to speak and write about holiday preferences. They will be able to give an account of a holiday using a range of verbs in the perfect and some examples of the imperfect tense. They be able to identify key information relevant to tourists. They will re-inforce skills required to translate to and from the target language which are requirements for the GCSE papers.
Term 2	Current and future study: future plans, post-16 education, compare university and apprenticeships Social issues: Healthy and unhealthy eating, compare old and eating habits, smoking, drugs and alcohol, health resolutions **Gramma**r: re-visit simple future of regular verbs, key irregular verbs in the future tense , future time expressions, use of 'quand', re-visit 'si' clauses, conditional form of devoir and pouvoir + inf. , re-visit imperfect tenses, il vaudrait + inf.	Students will be able to understand information referring to a range of options relating to post-16 study. They will be able to identify positive and negative aspects of future pathways. They will be able to express their own intentions with regards to their future choice of study. They will be able to use a range of structures and future time expressions. They will be able to discuss healthy and unhealthy lifestyles and make suggestions as to what they or others should or shouldn't or do in order to keep healthy. They will be able to compare current and past habits. They will use strategies which will enable them to deduce meaning from longer texts.
Term 3	Culture and identity: personal relationships, marriage and partnerships, personality/ physical attributes **Grammar**: re-visit adjectival agreements, future tense, conditional tense, expressing possibility, recognising the subjunctive.	Students will be able to describe current relationships with friends and consider what attributes are important from them in a future partner. They will be able to give and understand viewpoints about different partnerships and types of family units.

What resources can my child access for support?
Your child will have access to online resources through Kerboodle, GCSEpod and www.languagenut.com
www.bbcbitesize.com

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Exam board: **www.aqa.org.uk**

MFL Vision

A 'Great Sankey Linguist' will have a strong desire to be able to communicate in another language. They will appreciate the concept that 'English is not enough' and they will have a deep interest in broadening their knowledge of the cultures of the people who speak the language they study. They will be open-minded and have a desire to learn about the customs, traditions and daily routines in countries around the world. They will be risk-takers and be willing to take on the challenge of communicating in a language other than their own native tongue. They will develop the ability to express themselves in a different language through an increasingly growing vocabulary and a deepening knowledge of grammar. They will become more confident as their fluency and spontaneity increase and will develop the linguistic skills which could enable them to pursue the study of further foreign languages. In our global society, where there is a strong likelihood that future employment will transport today's young people to distant horizons, the ability to speak a foreign language is and will continue to be, a much sought-after skill.

Year 10 Spanish GCSE Curriculum Aims:

The aim in year 10 in the first year of the GCSE course in Spanish is to enable students to develop their Spanish language skills and to equip them with the knowledge to communicate confidently in a variety of contexts. There is equal emphasis on the four skills of speaking, listening, reading and writing and students will simultaneously strengthen these skills and expand their cultural knowledge of Spain and the Spanish-speaking world. Students will be able to understand and provide information and opinions about a range of themes relating to their own experiences as well as those of other people including those of people living in France and countries and communities where Spanish is spoken.

Year 10 Spanish Curriculum	Topics	Content
Term 1	Current and future study: School life, school rules, differences between Spanish and British school Local, national and international areas of interest: Transport, holiday destinations, accommodation, facilities, weather, regions of Spain, main cities **Grammar**: Re-visit expressing opinions and use of comparatives. Use of the future tense to discuss our plans. The imperative and modal verbs to discuss school rules. Use of verb "estar" for location and with past participles. The preterit tense and introduction to the imperfect tense to discuss past holiday	Students will be able to understand personal and factual information from longer and more complex spoken and written texts. They will be able to express their viewpoints about their schooling and aspects of school life. They will be able to express disagreement and agreement. They will be able to speak and write about holiday preferences. They will be able to give an account of a holiday using a range of verbs in the preterit and some examples of the imperfect tense. They will re-inforce skills required to translate to and from the target language which are requirements for the GCSE papers.
Term 2	Culture and Identity: social media and mobile technology. Local, national and international areas of interest: Healthy and unhealthy eating, compare old and eating habits, smoking, drugs and alcohol. **Grammar**: The perfect tense to discuss what we have done online today. The present continuous tense to be able to discuss what people are doing. Re-visit key verbs for eating at different mealtimes. The imperfect tense to compare current and past eating habits. Use of imperative to discuss how to improve diet and lifestyle.	Mobile technology and social media form an integral part of the lives of today's young people and the students will be able to discuss their personal opinions and consider the advantages and disadvantages and potential dangers of technology. They will be able to discuss healthy and unhealthy lifestyles and make suggestions as to what they or others should or shouldn't or do in order to keep healthy. They will be able to compare current and past habits. They will use strategies which will enable them to deduce meaning from longer texts. They will use strategies which will enable them to deduce meaning from longer texts. Students will be able to take part in GCSE role plays and discuss events presented in a photo card.
Term 3	Culture and Identity: Personal relationships, marriage and partnerships, personality/ physical attributes. End of year assessment and General conversation preparation. **Grammar**:	Students will be able to describe current relationships with friends and consider what attributes are important from them in a future partner. They will be able to give and understand viewpoints about different partnerships and types of family units Student will be assessed in listening and reading and will gain a deeper insight into the conduct of the final speaking exam.

What resources can my child access for support?

Your child will have access to online resources through Kerboodle, GCSEpod and www.languagenut.com
www.bbcbitesize.com www.quizlet.com

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Year 10 Music Curriculum Aims (AQA GCSE Music):

At the start of year 10 pupils will be taught how to read music. They will already have a good knowledge of this as it students are taught how to read and write the elements of music at KS3, but at KS4 we revisit and develop the depth. Students will arrange to have lessons with an instrumental/vocal teacher if they haven't done so already. At Great Sankey High School, we have nine visiting Peripatetic teachers each week and students can learn any instrument of their choice. All instrumental/ vocal lessons are individual and last for 20 minutes. PP students receive free lessons.

Year 10 Music Curriculum	Content	Topics
Term 1	Treble clef, bass clef, chords, scales, keys and key signatures, rhythm, metre, structure and dynamics. Solo Performance 1. Introduction to Sibelius software.	Students will take a Baseline Theory assessment so we can assess their starting point. Students will perform on their instrument to the class so we can develop their confidence and provide constructive feedback. This is also an important time to develop confidence and relationships so students can feel comfortable when performing and providing support and honest feedback in an open forum. Students learn the basics of how to navigate music notation software, Sibelius, in preparation for their future composition tasks.
Term 2	Texture, tonality, instruments of the orchestra, articulation, Bach's composition rules. Classical Period Set Work. History of Music AoS1- 4. Solo Performance 2. Arranging.	Students continue to embed, recall and apply their theory knowledge. They learn Bach's basic rules of composition and apply them to an arrangement task on Sibelius software. Students are now ready to begin to study their classical period set work; initially via listening and score reading tasks. They also learn to perform the music as an ensemble, thus embedding ensemble skills, in addition learning about the wider context of the classical period (AoS1). They will look at AQA exam questions on AoS1 applying their knowledge of the theory and also the classical period whilst building this analysis into AoS1-4. Students also perform a solo, either an improved version of solo performance 1 or a different piece entirely. Students learn to arrange music on Sibelius and gain confidence with creative ideas (applying their theory knowledge) in preparation for their free composition.
Term 3	Ensemble Performance 1 & 2. Solo Performance 3. Free Composition. Traditional Music Set Pieces. Mock Paper.	Students constantly apply their theory knowledge in order to improve on their performances. They are now ready to compose with increased creatively whilst also confidently listen with an analytical ear. They perform in a concert to parents and friends; the concert is recorded and students can celebrate their hard work and progress, whilst also receiving feedback concerning www/ebi. Students study their traditional music set pieces in addition to studying exam questions on their classical set piece, in addition to the continuation of history of music study via AoS1-4. At the end of Year 10 students are then ready to sit a full mock paper.

What resources can my child access for support?

Your child will have access to online resources through Moodle and the Great Sankey Music website:- www.greatsankeymusic.com or check out our showcase of performances YouTube Channel ***Sankey Music***

What enrichment opportunities are available and how do these support learning?

We offer an extensive programme with several extra-curricular groups and performance opportunities. As a performing arts faculty, we will be staging a production of "Shrek" in February 2024. In addition to this, extra-curricular groups and concerts will run throughout the year including vocal and instrumental ensembles. Students can also choose to have private instrumental/ vocal lessons delivered on a one to one basis.

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Exam board AQA

https://filestore.aqa.org.uk/resources/music/specifications/AQA-8271-SP-2016.PDF

Music Curriculum Vision:

A 'Great Sankey Musician' is committed, creative individual with increasing confidence; they are role models and ambassadors for our Great Sankey musical family. A Great Sankey Musician will become an effective communicator, whilst also developing skills to listen with a critical ear, nurturing a platform to celebrate success and reflection for further improvement (both for themselves and also for others). Our musicians naturally become leaders, developing their teamwork skills to fruition, enhancing values such as inclusiveness, respect, and fairness. Our musicians are tenacious, resilient and disciplined; they are dedicated to both independent and collaborative learning, understanding the importance of private practice and also the vitality of commitment to an ensemble. Above all, our musicians develop human values such as learning to love, show empathy and compassion, enthusiasm, passion, emotional intelligence, beauty and good humour.

Music is a universal language that embodies one of the highest forms of creativity. Our music curriculum is certainly broad and balanced as it encompasses Science, Maths, Literacy, MFL, History, P.E., research skills and above all, Art. Our carefully crafted curriculum will engage and inspire pupils to develop a love of music and their talent as musicians, and so increase their self-confidence, creativity and sense of achievement. As pupils progress, they should develop a critical engagement with music, allowing them to compose, and to listen with discrimination to the best in the musical canon. Above all, our curriculum will ensure a development of "family ethos"; our students will have a home where they feel safe, happy, valued, loved, trusted as they will naturally be provided with opportunities to lead and perform on a platform for sustained progress. Our students are individuals and our spiral curriculum will nurture and develop "the whole child". We are a local lead Ambassador Music School "Accent" (Warrington/ Halton); exemplified by our curriculum and extra-curricular offer.

Year 10 Music Technology Curriculum Aims (NCFE Level 1/2 Technical Award in Music Technology):

To provide students with the knowledge and skills required to create and develop music technology projects of the highest standard, and to empower students to thrive in the music industry.

Year 10 MT Curriculum	Topics	Content
Term 1	Content Area 1 – Introduction to Music Technology and the Music Business (Key Concepts)	Content Area 1 introduces students to the music technology industry. As an introductory unit, it makes sense to cover this unit early in Year 10. This unit will introduce students to different roles and responsibilities within the music industry so that students have the necessary knowledge and skills to gain employment in the industry, or set themselves up as a self-employed practitioner.
	Content Area 2 – The Digital Audio Workstation (Key Concepts)	Content Area 2 explores the hardware and software that students will be using to create music. We will be looking at function of each piece of hardware and how they interrelate, and also the software features of the digital audio workstation and how they can be used creatively within the context of music production. Students need to have a clear understanding of the hardware and software they will be using in order to access content areas 3, 4 and 5, hence the placement of this content area in Year 10 term 1.
	Content Area 3 – Musical Elements, Musical Style and Music Technology (Foundation)	Content Area 3 provides students with the musical understanding to create their own music. A desire to create music is a key motivator for students to choose this subject as an option, so it is crucial that we provide students with the knowledge and understanding to enable them to create and develop musical ideas effectively.

Term 2	Content Area 4 – Sound Creation (Foundation) Content Area 5 – Multitrack Recording (Foundation) Embedding of knowledge, building fluency and more advanced concepts.	Content Area 4 explores a range of sound creation types and methods. Having learnt to create and develop musical ideas, this content area will allow students to create their own unique sonic pallet, using a range of sound creation techniques. These skills area also transferrable to non-music applications such as sound design for movies and games. Content Area 5 teaches students the skills they need to create clean and detailed recordings. This includes the selection and placement of microphones, use of studio hardware, and using effects and processors to mix multi-track audio. This will allow students to present what they have learnt in content areas 1-4 in the most professional light. Having covered all five content areas, we will use this time to build on the key concepts covered in content areas 1-5, covering concepts in more detail, building fluency and evaluating concepts in detail. The content covered at this point in term 2 will be informed by gaps in knowledge and misconceptions identified in assessments.
Term 3	Embedding of knowledge, building fluency and more advanced concepts. Exam technique – preparation for mock written examination	Having covered all five content areas, we will use this time to build on the key concepts covered in content areas 1-5, covering concepts in more detail, building fluency and evaluating concepts in detail. The content covered at this point in term 3 will be informed by gaps in knowledge and misconceptions identified in assessments. In the run-up to their first mock written examination, students will explore exam technique, learning how to answer specific question types on the paper and revising the knowledge they have gained theroughout Year 10. This will ensure that students are fully prepared for their mock written examination at the end of Year 10.

What resources can my child access for support?
Each students has a folder, which contains detailed instructions for each piece of coursework, and feedback and tracking. All lesson resources are available on Classwork/Music/Music Technology. 'Quizlet' can also be used to revise key terms.

What enrichment opportunities are available and how do these support learning?
We offer an extensive programme with at least two ensembles rehearsing after school each night and a concert every half term. Our ensembles include:- Sankey Singers, Show Band, Orchestra, Samba Group, Guitar and Ukulele Ensemble and Tech Club. Our programme of concerts include:- GCSE Music Concert, Christmas Concert, School Musical, MAT Factor & Summer Concert.

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Exam board:
NCFE
https://www.ncfe.org.uk/qualification-search/qualification-detail/ncfe-level-12-technical-award-in-music-technology-142#:~:text=The%20Level%201%2F2%20Technical,or%20progress%20onto%20further%20study.

Physical Education Curriculum Vision:

The intent of the Physical Education programme at Great Sankey High school is for students to enjoy and engage in physical activity, with the ambition to develop the skills and knowledge required to allow all learners, regardless of background and ability, to access a range of sports and physical activities both in school, during curricular and extra-curricular activities, as well as outside of the school environment. This could include an interest in sport both as a performer or spectator.

If learners have these skills and knowledge and enjoy physical activity, they will confidently adopt a physical healthy lifestyle that they will maintain into later life. They will be aware of the impact that sport and physical activity has on overall wellbeing.

Year 10 Core Physical Education Curriculum Aims:
Students should enjoy participation in physical activity. They should tackle complex and demanding physical activities. They should get involved in a range of activities that develops personal fitness and promotes an active, healthy lifestyle that in progressed into lifelong participation.

Building on the concept of Head, Heart, Hands used to assess students at Key Stage 3, we look to further develop students' knowledge, resilience and practical ability at Key Stage 4 looking to ensure students understand and implement regular physical activity in their daily life with clear pathways for lifelong participation.

Year 10 Curriculum Plan:
Activities are taught on a rotation basis. Students look to select a pathway best suited to their interests. The curriculum is designed to ensure students maintain a high level of physical activity throughout the lesson, challenging them both physically and mentally.

	Activities Include	**Content**
Term 1&2	American Football Badminton Basketball Dodgeball Fitness Football Handball Multi sports Netball Rugby Volleyball	Throughout each activity students will be challenged to further develop knowledge and understanding alongside the practical performance of skills and techniques. Key values of friendship, courage, inspiration, determination, equality, respect and excellence will be promoted through PE and sport. Lessons are structured to ensure pupils are physically active for sustained periods of time. In Year 10 within practical lessons students will also focus on: Linking Physical activity and sport to health, fitness and mental well-being. Consequences of a sedentary lifestyle

Term 3	Striking and fielding games	
	Tennis	

What resources can my child access for support?

Information and resources for different sports can be found in the relevant National Governing Body websites. The BBC Sports Academy website is also a useful resource:
http://news.bbc.co.uk/sport1/hi/academy/default.stm

What enrichment opportunities are available and how do these support learning?

There is an extensive extra-curricular programme run by the PE department. Clubs are open to all students and (where applicable) competitive teams are selected from those students who attend the clubs. The department also runs a regular internal competition, giving all students the opportunity to play competitively.

Head of Department: Stuart Garry S.Garry@gshs.omegamat.co.uk **KS3 Curriculum Lead: n/a** **Exam board n/a**

Year 10 Photography Curriculum Aims:
At the start of year 10 pupils will be completing baseline project covering composition, colour, and analysis. From here pupils will work through the four assessment objectives each project, these objectives will be revisited each project from years 10 to 13. Assessment objective 1- Artist analysis, AO2-experimenting with materials/editing, AO3- Drawing, ideas, and images, AO4- Final outcomes and evaluation. The development throughout the projects builds on confidence and the overall aim of working independently to create a Photography outcome based on a question of their choice.

Year 10 Art Curriculum	Topics	Content
Term 1	Working safely with the practical space. Our first project about is about Structures and includes composition to start.	Pupils begin with initial project that includes composition, colour, tone, and analysis and starts our journey working with Photography techniques. Our first project is portraits, looking at imagery and editing. Pupils will learn how to participate in practical lessons safely when working as a team or independently. Each project learners will work through our four assessment objectives building further on their understanding and skills. Pupils will deepen their understanding of the GCSE Photography process and learn new skills and techniques that will broaden their opportunities for becoming independent.
Term 2	Our second project will include more new techniques and further understanding of working in a variety of editing tools. Producing final outcomes to show progress.	This term will begin with producing their final outcomes from their first project. Pupils will consolidate their learning and highlight their skills, evaluating the piece against the assessment objectives and discussing their progress from baseline. Personalised targets will then be set to ensure greater progress as we start our project development.
Term 3 – lead in to Term 1 of Year 11	Starting our third project on a project researched and chosen independently by pupils.	Pupils will start their final project (April) based on a chosen question, evaluating, and setting personalised targets ready for our final assessment piece in year 11. Our end of year exam covers all 4 assessment objectives; pupils will highlight the progress they have made across the 4 assessment objectives.

What enrichment opportunities are available and how do these support learning?
Art club is available after school; pupils need to speak to their teacher for further details. Regular homework tasks are set to strengthen understanding and improve control with the mediums.
Follow Art@GSHS on - https://www.pinterest.co.uk. .
https://www.aqa.org.uk/subjects/art-and-design/gcse/art-and-design-8201-8206/subject-content/photography

Where can I visit to help with my learning?
https://wmag.culturewarrington.org/whats-on/ **https://www.whitworth.manchester.ac.uk/**
https://www.tate.org.uk/visit/tate-liverpool **http://manchesterartgallery.org/**
https://www.liverpoolmuseums.org.uk/walker/

Head of Department: Mrs Lorna Philcock. **L.Philcock@gshs.omegamat.co.uk**

Psychology Curriculum Vision:

A Great Sankey Social Science student will have a keen interest in the world around them and want to discover what drives human behaviour. Students will be given the opportunity to explore different theoretical explanations of human behaviour in an analytical way, which will inspire them to keep questioning and will give them a thirst for knowledge over their whole lifetime. Students will develop an empathetic understanding and awareness of different social issues within society. This knowledge will enable them to develop their interpersonal skills which will enhance their ability to work with different types of people in a more productive way throughout their lives. In addition, they will have a solid grasp of the research process as it is research which underpins all areas of the Social Sciences. Students will also develop the ability to translate research findings into real world applications to use in their everyday life.

Year 10 Psychology Curriculum Aims:

The aim of our Year 10 Psychology GCSE curriculum is to aid our students to develop a real interest in Psychology which will help to motivate them to want to learn more and to a high standard. In addition, it will create a solid foundation for their GCSE Psychology via the teaching of specialist tier 3 terminology.

Year 10 GCSE Psychology Curriculum	What will pupils' study?	Rationale for learning journey
Term 1	**Psychological Problems (Paper 1)** **Research Methods (Paper 2)**	• **Psychological problems:** is a relatable topic and 'hooks' students in with its contemporary relevance and focus on mental wellbeing. It also introduces students to the nature/nurture debate which is the most accessible 'debate' on the specification, so provides a good foundation. This topic area links well with the A level specification we study at A level at Barrow Hall College. • **Research methods: Experimental methods** are an essential 'golden thread' that underpin everything we do in psychology. It is important that our students gain early understanding about how to conduct research and how to evaluate studies in order to access other topic areas effectively.
Term 2	**Social Influence** **Sleep & Dreaming (Paper 2)**	• **Social Influence** relates well to experimental methods as there are a number of influential studies which use lab experiments. This allows us to further embed research method skills which contribute to a significant number of marks across the 2 exam papers. • **Sleep and dreaming** enables us to introduce non-experimental methods in an accessible way. It is another topic with a focus on wellbeing. This topic area links well with the A level specification we study at Barrow Hall College.
Term 3	**Research methods (Paper 2)** **Criminal Psychology**	• **Research methods: Non-experimental methods** to build upon knowledge about experimental methods and complete the research methods topic. It also leads into methods used in sleep and dreaming. Students will use their mathematical skills in this topic. • **Intro to Criminal psychology** is the topic students find most exciting and is a nice way to finish year 10 / start year 11.

What resources can my child access for support?

- Our Microsoft SharePoint site - GCSE Psychology (sharepoint.com) - will provide access to the following resources: Curriculum map, Paper 1 & 2 Core notes, all topic activity booklets, all teacher slides, homework/revision activities, past exam questions/papers and mark schemes, careers information & Psychology beyond the classroom discovery material
- Optional purchase = Edexcel GCSE (9-1) Psychology Student Book by Christine Brain, Karren Smith, et al. | 12 May 2017 ISBN = 9781292182773
- Microsoft Teams
- For wider interest they could access the British Psychological Society Website and subscribe for £12 a year. https://www.bps.org.uk/
- Listen to a variety of podcasts and watch documentaries on Netflix/ YouTube. "The Mind explained" is an excellent series consisting of videos that are around 20 minutes long and accessible on YouTube

Head of Department: Lucy Kennedy l.kennedy@GSHS.omegamat.co.uk

Exam board: https://qualifications.pearson.com/en/qualifications/edexcel-gcses/psychology-2017.html

RS Curriculum Vision

In RS our intention is to provide a curriculum that ensures varied and enriching lessons that prepare students for life in a culturally diverse modern world. RS allows students to understand the beliefs and practices of the religions and world views that not only shape their history but their world today and to appreciate how religion, philosophy and ethics form the basis of our culture. The RS curriculum encourages enthusiasm in the study of other people's beliefs and ensures students have an understanding and respect for different cultures and communities by exploring what it means to be a part of that faith. The RS curriculum widens a student's awareness of their own surroundings, reflecting on our ever-changing world and society and a wide range of issues and big questions that affects millions of people around the world e.g. abortion and euthanasia. The RS curriculum allows students to understand and unravel the concepts they encounter, encouraging them always to be challenged in their thinking. RS allows each student to express their own beliefs and values, giving students the opportunity to think about what they believe and reflect on their own choices, allowing them to develop their own ideas and opinions, whilst understanding why some hold viewpoints and beliefs that are different to their own. Studying RS will allow pupils to adopt an enquiring, critical and reflective approach to the world in which they live. It will encourage a critical mind set and allows the development of skills such as textual analysis, critical analysis, synthesis, evaluation and empathy. RS promotes mutual respect in a diverse society.

PAPER ONE: **The study of Religions**
Christian Beliefs
Christian Practices
Islam Beliefs
Islam Practices

PAPER TWO: Thematic Studies
Crime and Punishment
Peace and Conflict
Religion and Life
Relationships and the Family

Year 10 RS Curriculum Aims

In Year 10 students continue their GCSE in RS studying Specification A with AQA. The course consists of two papers.

Year 10 RS Curriculum	Topics	Content
Term 1	Students complete the **Christian Practices** unit (Paper 1)	Building on the Christian Beliefs unit studied in Year 9 students consider how **Christians practice** their beliefs in their day to day lives. Students will investigate the different types of worship and prayer and key sacraments such as baptism and holy communion. Students will explore key Christian festivals such as Christmas and Easter examining why and how each is celebrated. Students will consider the role of the Church both in the local community and the world, focussing in particular on the Church's work in stopping persecution, poverty and trying to help others to achieve reconciliation.
Term 2	**Relationships and the Family (Paper 2)**	Students begin the term with the **Relationships and the Family unit.** Students explore changing attitudes to human sexuality, marriage, divorce and the family both in society and in Christianity and Islam. Students explore gender equality in society looking at the growth of equal rights for women through the work of the Suffragettes and legal acts such as the Equal Pay Act and Equality Act. Students will investigate the arguments for and against women priests in the Christian Church.
Term 3	**Islam Practices (Paper1)** unit	In the second half of the spring term students will build on the Islam Beliefs unit studied in Year 9 by completing the **Islam Practices unit** of work. Students will consider how Muslims practice their beliefs in their daily lives through the Five Pillars of Shahadah, Sawm, Zakat, Sawm and Hajj. Students will examine key festivals such as Id-ul-Fitr, Id-ul-Adha and the Festival of Ashura examining why and how Muslims mark these festivals.

What resources can my child access for support?

Some useful websites to support your child's learning further are:
www.bbcbitesize.com , Seneca learning and GCSE Pod

What enrichment opportunities are available and how do these support learning?

To ensure students are as engaged and as enthusiastic with their learning as can be the department has offered a range of learning opportunities outside of the classroom including trips to Auschwitz, Rome and places of worship. The department has also held deeper learning days such as Holocaust Memorial Day and World Religion's Day.

Head of Department:

Lisa Baker

Exam board AQA https://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062

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Science Curriculum Vision:

A 'Great Sankey Scientist' is a curious individual with an inquisitive and enquiring mind. They strive for answers about how or why something behaves or acts the way it does. They investigate, considering all the factors that can affect their results and then evaluate their methods and strive to improve what they have done. They can make an open-minded attempt to explain the world around them using evidence and facts. They understand the value of evidence over opinion, can spot trends in data, make conclusions, and link them with explanations and understands the need for peer review. Students are not afraid to challenge ideas (in a positive way.) They have the self-motivation to read around the subject and continue their learning beyond the classroom. They think in a logical, systematic, and rational way. They are also able to use abstract thinking to link ideas and concepts together. They are problem solvers (solution focussed) with good numeracy, scientific literacy, and oracy skills. They can look at the complex systems within Biology, Chemistry and Physics and explain how they work in terms that anyone can understand. Science solves problems that affect everybody, and it enhances life where problems are not there anyway. Science provides the economic growth this country depends on. Science help pupils understand the world around them and 'how they fit.' Science provides knowledge and understanding that allows pupils to better engage in wider society. For example, pupils will have a more informed viewpoint on climate change, medical techniques, natural conservation, recycling of different materials, or nuclear power……. the list is endless! It may even lead them to become experts and leaders in these current issues; they could in turn influence future culture

Year 10 Biology Curriculum Aims:

In year 10 students aim to consolidate learning themes from Year 9 and develop these further, deepening understanding and strengthening the links between key concepts, leading on to larger overarching topics, whilst continuing to develop practical, analysis and evaluative skills. The course is delivered as 4 lessons fortnightly with a Biology specialist teacher. The year curriculum is designed as a spiral to build on scientific concepts from Year 9, such as cells (cell transport) and Physiology (enzymes). Students will build upon their existing scientific knowledge from these topics and apply their understanding of physiology to the nervous system and hormonal response in the endocrine system. They will further develop their understanding of non-communicable diseases to the new developments in genetics, which require solid grounding in in other areas of the course to allow them to make clear links in this ever-changing field.

Year 10 Biology Curriculum	**Topics**	**Content**
Term 1	Types of disease (communicable and non-communicable) Preventing and Treating Disease	The disease section that starts year 10 builds on cell structure, division and organisation. These units also build on the organisation of systems in the body and plants and evaluates how disease can be avoided.
	Transformation of energy in living organisms (photosynthesis and respiration)	During this unit learners will explore two essential processes essential for the functioning of all living organisms. photosynthesis and respiration, photosynthesis looks at the process of how plants use energy and both types of respiration and the body uses these processes to respond to change, e.g. exercise. These units develop knowledge and understanding about cells and systems from Yr.9, as well enhancing practical skills.
Term 2	Nervous System	At the start of the term learners will enhance their understanding of organisations in the body by studying the nervous system and how it plays an important role in the coordination of responses of living things to the internal and external environment.
	Hormonal control in humans	Knowledge on hormones is further developed during this unit on the endocrine system and human reproduction, once the coordination unit has been completed learners should have a full understanding of the role of specialised cells and the organisation of systems involved.
Term 3	Reproduction	In the final term learners build on the role of the reproductive hormones in males and females and how these regulate the process of reproduction.
	Inheritance, variation and evolution	Leaners now have the foundations of reproduction so this unit allows them to consolidate and deepen understanding by looking at the importance reproduction has on genetic diversity and how inherited features lead to evolution of new species via natural selection and genetic engineering.
	Retrieval and consolidation	The final section of this term will be used for retrieval and consolidation of prior units in preparation for the Yr.10 mocks, leaners will review key knowledge and understanding, giving them the foundations to answer examination questions.

What resources can my child access for support?

Their classroom teacher will provide guidance and support throughout the year, also your child will have access to online resources including text books, podcasts, exercises and questions through www.kerboodle.com . Students may also find the following resources useful to access the national curriculum and revision materials. When using these websites please make sure, AQA, trilogy (combined) science is selected.

Cognito - Cognito (cognitoedu.org)

SENECA- Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com)

BBC bitesize - www.bbcbitesize.com,

Maths and physics tutor - Physics Revision - PMT (physicsandmathstutor.com)

Alongside this they will also have a knowledge organiser and can purchase revision guides from ourselves in school.

What enrichment opportunities are available and how do these support learning?

Throughout the year students will be invited to attend talks and presentations with inspirational scientists linking to course content and future aspirations. Alongside this a select number of students will be invited to take part in our scholar's programme which provides exciting opportunity to work alongside lectures from the university of Manchester on cutting edge technology. In house we run STEM club, this provides opportunities to apply science and engineering outside of the regular curriculum. Year 10 students are encouraged to act as coaches and mentors to younger members of the club or to take on a longer-term STEM Project.

Head of Science:
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Head of Biology
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Exam board AQA **https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464 (Trilogy)**

Science Curriculum Vision:

A 'Great Sankey Scientist' is a curious individual with an inquisitive and enquiring mind. They strive for answers about how or why something behaves or acts the way it does. They investigate, considering all the factors that can affect their results and then evaluate their methods and strive to improve what they have done. They can make an open-minded attempt to explain the world around them using evidence and facts. They understand the value of evidence over opinion, can spot trends in data, make conclusions, and link them with explanations and understands the need for peer review. Students are not afraid to challenge ideas (in a positive way.) They have the self-motivation to read around the subject and continue their learning beyond the classroom. They think in a logical, systematic, and rational way. They are also able to use abstract thinking to link ideas and concepts together. They are problem solvers (solution focussed) with good numeracy, scientific literacy, and oracy skills. They can look at the complex systems within Biology, Chemistry and Physics and explain how they work in terms that anyone can understand. Science solves problems that affect everybody, and it enhances life where problems are not there anyway. Science provides the economic growth this country depends on. Science help pupils understand the world around them and 'how they fit.' Science provides knowledge and understanding that allows pupils to better engage in wider society. For example, pupils will have a more informed viewpoint on climate change, medical techniques, natural conservation, recycling of different materials, or nuclear power……. the list is endless! It may even lead them to become experts and leaders in these current issues; they could in turn influence future culture

Year 10 Chemistry Curriculum Aims:

In year 10 students aim to consolidate learning themes from Year 9 and develop these further, deepening understanding and strengthening the links between key concepts, leading on to larger overarching topics, whilst continuing to develop practical, analysis and evaluative skills. The course is delivered as 4 lessons fortnightly with a Chemistry specialist teacher. The year curriculum is designed as a spiral to build on scientific concepts from year 9 such as atoms, elements, compounds and mixtures, different types of chemical reactions and the measurements we make during chemical reactions. In year 10 students will build upon their existing scientific knowledge from these topics and extend and link atoms, elements and compounds to the periodic table and structure and bonding of different substances. They will further develop their understanding on chemical allowing them to explain some of the phenomena that is seen in the world around them and justify why we chose to use particular materials and specific conditions. Chemical reactions and energy changes link throughout the Biology curriculum and energy changes has links to Physics. Students will need to apply knowledge on substances studied so far (e.g. metals, plastics and common compounds) and link this to their usefulness and the impacts they have on the environment, where students understand our ever-changing climate. Students will appreciate the significance of sustainable living in how we obtain and use natural resources from our earth and the importance of how and why we should reuse and recycle these resources.

Year 10 Chemistry Curriculum	**Topics**	**Content**
Term 1	Atomic structure and the Periodic Table	Chemists have evidence that atoms themselves are made up of a nucleus with electrons surrounding it in energy levels. An in-depth look at the history of the atom and periodic table shows how the periodic table organises these atoms and the elements they make into a structure that helps us make sense of our chemical world. This chemistry unit builds upon several units from KS3 and these core ideas are the cornerstone of all chemistry and are built on throughout year 10 and into year 11.
	Properties and reactions of metals	Metals play an important part in everyday life, this unit revisits common properties and starts to explore why materials behave the way they do linking to knowledge on particles and a vital introduction to structure and bonding. This knowledge will then allow pupils to experiment with metals in a systematic way and organise results logically and predict exactly what new substances will be formed developing a wide range of different materials and processes.
	Chemical reactions – acids and salts	The concept of acids and alkalis is revisited extending KS3 learning to include how ions interact to cause neutralisation reactions and how soluble salts are made.

Term 2	Structure and bonding	The introduction to structure and bonding is a vital unit that links previous knowledge on atomic structure and Periodic Table with future chemical knowledge, this is where pupils identify elements based on their atomic structure and will explore ionic, covalent and metallic structures and their properties
	Organic Chemistry – Crude oil	A great variety of organic compounds is possible because carbon atoms can form chains and rings linked by C – C bonds. Chemists can modify these organic molecules in many ways to make new and useful materials such as fuels, polymers, pharmaceuticals, perfumes, flavourings, dyes and detergents. Pupils will explore the usefulness of crude oil, making links to separating mixtures and the Earth's atmosphere studied at KS3.
	Earth and resources	Scientists and engineers are trying to solve the problems caused by increased levels of air pollutants. Industries use the Earth's natural resources to manufacture useful products. In order to operate sustainably, chemists seek to minimise the use of limited resources, the use of energy, waste produced and environmental impact. Earth and resources unit looks at pollutant gases present in the atmosphere, the effects of these and how they can be reduced taking knowledge from the year 8 Earth unit.
Term 3	Energy changes	Energy changes are also an important part of chemical reactions. Transfers of energy take place due to the breaking and formation of bonds. The heating or cooling effects of reactions are used in a range of everyday applications.
	Rates of Reactions	Chemical reactions can occur at vastly different rates and there are many variables that can be manipulated in order to change their speed. Chemical reactions may also be reversible so conditions will affect the yield of a desired product. In industry chemists determine the effect of different variables on the rate of reaction and yield of the product. This connects to the chemical reactions and energy changes unit directly and further develops the idea of scientific method.
	Retrieval and consolidation	The final section of this term will be used for retrieval and consolidation of prior units in preparation for the Yr.10 mocks, leaners will review key knowledge and understanding, giving them the foundations to answer examination questions.

What resources can my child access for support?

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Exam board AQA AQA | GCSE | Combined Science: Trilogy | Specification at a glance (TRILOGY)

Science Curriculum Vision:

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Year 10 Physics Curriculum Aims:

In year 10 students aim to consolidate learning themes from Year 9 and develop these further, deepening understanding and strengthening the links between key concepts, leading on to larger overarching topics, whilst continuing to develop practical, analysis and evaluative skills. The course is delivered as 4 lessons fortnightly with a Physics specialist teacher. The year curriculum is designed as a spiral to build on scientific concepts from Year 9, such as Energy, Forces and Waves, students will build upon their existing scientific knowledge from these topics and look at Physics core theories and their application in context, giving them the ammunition to make informed judgements about scientific issues affecting our world today.

Year 10 Physics Curriculum	**Topics**	**Content**
Term 1	Forces and motion	Students use the ideas studied in year 9 of balanced and unbalanced forces to describe motion and show how this can be represented graphically, as well as performing calculations of speed and acceleration. This unit will refer to the fundamental laws of Physics first described by Sir Isaac Newton.
	Electrical circuits	Electricity builds on the basics of electric circuits seen in year 8 and reviews ideas about energy transfer, work and power. The electricity module covers the basic rules for current, potential difference, resistance power and energy in simple series and parallel circuits.
	Thermal transfers	Students use their knowledge of energy stores and the particle model from year 9 to develop ideas and understanding of the different processes that transfer thermal energy through different materials, via conduction, convection and radiation. This is then used to link ideas to describe how the properties of different materials affect the temperature change.
Term 2	Radioactive materials	The radioactive materials unit starts with the basics on the structure of the atom, ions and isotopes reviewing what has been previously learnt in chemistry. This knowledge is used to discuss the nature of alpha, beta and gamma radiation and explores some of their uses and risks. The pattern of radioactive decay is explored and linked to decisions around nuclear power previously covered in KS3.
	Generating electricity and its uses in the home	This unit builds on the factual knowledge of types of energy resources at KS3 and evaluates the different methods of energy production for use in our everyday lives. With the world's resources under increasing pressure, citizens of the future will be required to make some tough choices. Additionally, to this, students then look at how we use electricity generated in our homes. Students will need to apply knowledge just gained and use concepts from the electrical circuit's unit covered in term 1. This will then allow students to further develop understanding on domestic uses and safety of mains electricity, whilst exploring efficiency of devices versus the cost of using electrical devices.
Term 3	Electromagnetic spectrum	This waves unit builds upon concepts and understanding already covered about waves and goes on to explore the different parts of the electromagnetic spectrum. Using the ideas about the behaviour of different waves, students will be able to explain why certain wave types are used for different applications.
	Retrieval and consolidation	The final section of this term will be used for retrieval and consolidation of prior units in preparation for the Yr.10 mocks, leaners will review key knowledge and understanding, giving them the foundations to answer examination questions.

What resources can my child access for support?

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Alongside this they will also have a knowledge organiser and can purchase revision guides from ourselves in school.

What enrichment opportunities are available and how do these support learning?

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Head of Science:
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Head of Physics
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Exam board AQA AQA | GCSE | Combined Science: Trilogy | Specification at a glance (TRILOGY)

GCSE Physical Education Curriculum Aims:

The aim of our Year 10 PE GCSE curriculum is to aid our students to further develop a real interest in all aspects of Physical Education. The course offers students the opportunity to develop both practical and theoretical skills. Students will engage with key issues and themes relating to contemporary global influences on physical education and sport, receiving a well-rounded and full introduction to the world of PE, sport and sport science through the combination of physical performance and academic challenges.

Subject Content:

The GCSE is made up of four components:

Component 1: Fitness and Body Systems.
Component 2: Health and Performance.
Component 3: Practical Performance.
Component 4: Personal Exercise Programme.

How will you be assessed:

Assessment will consist of two externally examined papers and two non-examined assessment components.

Components 1 & 2 are written examinations, making up 50% of the overall grade. The assessment consists of multiple-choice, short-answer, and one extended writing question.

In component 3 the assessment consists of students completing three physical activities from a set list. One must be a team activity. One must be an individual activity. The final activity can be a free choice. This accounts for 30% of the overall grade.

Students will complete a Personal Exercise Programme in component 4, the assessment consists of students producing a Personal Exercise Programme (PEP) and will require students to analyse and evaluate their performance. This accounts for 10% of the overall grade.

Year 10 GCSE PE Curriculum Plan:

	Topics	Content
Term 1	Component 1-Topic 3: Physical Training. Component 2- Topic 1: Health, fitness and wellbeing.	In this topic students will develop knowledge and understanding of the principles of training and different training methods in order to plan, carry out, monitor and evaluate personal exercise and training programmes. In this topic students will develop knowledge and understanding of the benefits of participating in physical activity and sport to health, fitness and wellbeing.
Term 2	Component 2- Topic 2: Sport psychology. Component 2- Topic 5: Socio-cultural influences	In this topic students will develop knowledge and understanding of the psychological factors that can affect performers and their performance in physical activity and sport. In this topic students will develop knowledge and understanding of the socio-cultural influences that can affect participation rates and trends within sport.
Term 3	Component 4- PEP.	The aim of the PEP is for students to develop their ability to analyse and evaluate their personal fitness to improve/optimise performance in physical activity and sport.

One out of four lessons over a fortnight will be dedicated to developing practical skills, a link to activities that students can be assessed in can found on the link below.

What resources can my child access for support?

Students can use GCSE Pod to support progress.

A link to the specification can be found at:

https://qualifications.pearson.com/content/dam/pdf/GCSE/Physical%20Education/2016/Specification%20and%20sample%20assessments/GCSE-physical-education-2016-specification.pdf

What enrichment opportunities are available and how do these support learning?

Intervention session will be provided to help students achieve their best possible grades. Students will be able to access the PE Departments extensive extra-curricular programme to help develop their practical performance to assists with practical development.

Head of Department: Stuart Garry S.Garry@gshs.omegamat.co.uk **Exam board: Pearson**