

2022/2023 CURRICULUM OVERVIEW MAP YEAR 10

Year 10 Autumn Term

As a Church school, our Christian values are central to our curriculum intent:

- A passion for learning where knowledge is appreciated and valued for its intrinsic value
- Strong, confident and happy individuals who are able to live safe, healthy, fulfilling lives and be resilient when challenged with adversity
- To create citizens of the future who make a positive contribution to society and are equipped for the world of work by achieving nationally recognised qualifications that develop career progression
- A strong understanding of social justice which seeks to embed the values of inclusion, equality and human rights so that students can confidently recognise and challenge injustice

Christian themes and values	The St Mary's Way, Friendship, Peace, Service, Harvest, Black History Month, Wisdom, Creation, Remembrance, Endurance, Self-control, Reverence, Advent, Christmas		SMSC across the curriculum
Tutorial programme	Students will read two texts over the year in form time: Iain Banks: The Wasp Factory Harper Lee: To Kill a Mockingbird		Keeping healthy
PSHE / RSE citizenship British values	Students study PSHE two mornings a fortnight. Students cover aspects of the curriculum such as: Your healthy body: this includes keeping physically healthy, self-image, first aid Your healthy mind: Students explore mental health and exam stress You and your life: Students consider how well they know themselves as well as exploring the concept of family. You and your relationships: This unit involves showing respectful for each other, healthy relationships and dating as well as how to recognise signs of an unhealthy relationship Sexuality and gender identity: Students look at the subject of gender and sexuality		Race Disability Loneliness Isolation
Core Subjects	English Language Exam Board & Syllabus: AQA GCSE English Language 8700 Link to website: http://www.aqa.org.uk/subjects/english/gcse/english-literature-8702 Students study a Literature unit this term	English Literature Exam Board & Syllabus: AQA GCSE English Literature 8702 Link to website: http://www.aqa.org.uk/subjects/english/gcse/english-literature-8702 In the first term of Year 10, students revisit Shakespeare and study one of his most popular plays: Romeo and Juliet. Students revisit the time that Shakespeare was writing to contextualise the themes he advances such as gender and masculinity and reputation; tragedy and loyalty. Students also consider the purpose, audience and	Nature vs nurture Appreciation of other religions

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	format of the play. They also consider the writing devices and compare the intent and varying readers.	Good and evil
<p>Maths Exam Board & Syllabus: Pearson Edexcel GCSE Mathematics 1MA1 Link to website: MATHS EDEXCEL</p> <p>The start of the term is a Recovery Curriculum in preparation for Year 10. Students will revisit core topics to ensure they have a secure foundation. These are:</p> <ul style="list-style-type: none"> Negative numbers in various contexts Use ratio and proportion in context Find the area of shapes <p>These topics need to be secure in order to access the topics being covered this year. We understand that learning has been disrupted over the last two years and these skills will ensure students have the skills to access the curriculum. Students will learn how to:</p> <ul style="list-style-type: none"> Use negative numbers in various contexts Use ratio and proportion in context Find the area of shape <p>In the latter term, students study Algebra: Simultaneous Equations Algebra is the language of maths. As the complexity of problems increase, as does the knowledge of algebra. This half term is vital for manipulating algebra in more advanced settings. Students will be able to:</p> <ul style="list-style-type: none"> Solve complex linear equations Rearrange formula Simplify the sum of algebraic fractions in simple cases Solve linear simultaneous equations 	<p>Maths Exam Board & Syllabus: Pearson Edexcel GCSE Mathematics 1MA1 Link to website: MATHS EDEXCEL</p> <p>The start of the term is a Recovery Curriculum in preparation for Year 10. Students will revisit core topics to ensure they have a secure foundation. These are:</p> <ul style="list-style-type: none"> Solve complex linear equations Rearrange formula Solve complex linear simultaneous equations Interpret and evaluate functions, composite functions and inverse functions <p>These topics need to be secure in order to access the topics being covered this year. We understand that learning has been disrupted over the last two years and these skills will ensure students have the skills to access the curriculum. In the second term, students study Algebraic Fractions, Surds and Percentage Growth and Decay. These topics will allow students to problem solve with situations involving quadratics. Students will practice and master how to:</p> <ul style="list-style-type: none"> Solve quadratics by completing the square Solve equations involving algebraic fractions Use surds in different contexts Find reverse percentages, evaluate an amount after a repeated appreciation or depreciation 	<p>Suffering</p> <p>Multiculturalism</p> <p>Race and love</p> <p>Modernism – an appreciation of art and its influence</p> <p>Conflict and impacts</p> <p>Cultural awareness</p> <p>Appreciating different societies</p> <p>Global development</p>
<p>Science Exam Board and web link: Twenty First Century Combined Science OCR 2016 Twenty First Century Biology OCR 2016 Twenty First Century Chemistry OCR 2016</p>	<p>Religious Studies Exam Board and Syllabus: AQA Religious Studies A (8062) Link to website: http://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062</p>	<p>First aid</p>

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<p><u>Twenty First Century Physics OCR 2016</u></p> <p>At the start of year 10, students engage in the unit: Living together – food and ecosystems. Within this unit students revisit past knowledge to build on it to secure an understanding of:</p> <ul style="list-style-type: none"> • Photosynthesis • Mode and function of enzymes • Diffusion, osmosis, active transport • Structure and function of plants • Food chains and webs • Pyramids of number and biomass transfer • Biotic and abiotic factors • Sampling methods <p>Students use this developed knowledge to demonstrate their competence in answering questions such as:</p> <ul style="list-style-type: none"> • What happens during photosynthesis? • How do producers get the substances they need? • How are organisms in an ecosystem interdependent? • How are populations affected by conditions in an ecosystem? <p>In the latter term, students then study: Chemicals of the natural environment. This requires students to gain knowledge on the:</p> <ul style="list-style-type: none"> • Properties of metals • Extracting metals • Electrolysis • Extraction and separation of crude oil <p>Students use this knowledge to consider:</p> <ul style="list-style-type: none"> • How atoms are held together in a metal • How metals react with different reactivities extracted • What are electrolytes and what happens during electrolysis 	<p>In the first term of Year 10 students complete the unit: Christianity beliefs and teachings. This unit involves students contemplating and being able to explain:</p> <ul style="list-style-type: none"> • God as omnipotent, loving and just, and the problem of evil and suffering. • The oneness of God and the Trinity: Father, Son and Holy Spirit. <p>In order to show their understanding, students will use different Christian beliefs about creation including the role of Word and Spirit (John 1:1-3 and Genesis 1:1-3) to illustrate their argument or viewpoint. Students will also explore:</p> <ul style="list-style-type: none"> • Different Christian beliefs about the afterlife and their importance, including: resurrection and life after death; judgement, heaven and hell. • The incarnation and Jesus as the Son of God, the crucifixion, resurrection and ascension. • The means of salvation, including law, grace and Spirit. The role of Christ in salvation including the idea of atonement <p>In the second term students examine Christian practices and how these are influenced by belief. Students will study:</p> <ul style="list-style-type: none"> • Liturgical, non-liturgical and informal worship, including the use of the Bible, private worship, prayer and its significance, including the Lord's Prayer, set prayers and informal prayer. • The role and meaning of the sacraments. • The role and importance of pilgrimage and celebrations. <p>Students will also study the role of the Church in the local community including:</p> <ul style="list-style-type: none"> • food banks • street pastors • the place of mission • evangelism and Church growth. <p>They will also explore and explain the importance of the worldwide Church including:</p> <ul style="list-style-type: none"> • working for reconciliation 	<p>Healthy lifestyles</p> <p>Migration</p> <p>Integration</p> <p>Climate change</p> <p>Global accountability</p> <p>Appreciation of art, design and music</p> <p>Challenging hate</p> <p>Problem solving</p> <p>Personal responsibility</p>
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		<ul style="list-style-type: none"> • how Christian churches respond to persecution • the work of Christian Aid. 	
Foundation Subjects	Btec Art and Design Exam Board and syllabus: Pearson Edexcel BTEC Level 2 Art and Design Link to website: Art and Design Practice Pearson qualifications GCSE Art and Design Exam Board and syllabus: AQA Art & Design (Fine Art) Link to website: Art and Design GCSE	Business Studies & Enterprise Enterprise: Exam Board: Pearson BTEC Level 2 Enterprise Link to website: ENTERPRISE Business: Pearson (GCSE 9-1) Link to website:	Computer Science Exam Board & Syllabus: OCR J276 Computer Science Link to website: COMPUTER SCIENCE
	Digital Information Technology Exam Board & Syllabus: BTEC Tech Awards Digital Information Technology Link to website: DIT	Drama Exam Board & Syllabus: Pearson Edexcel Level 1/Level 2 GCSE Drama (9-1) in Drama (1DR0) Link to website: DRAMA	Engineering Design Exam Board & Syllabus: OCR Cambridge National: Engineering Design Level 2 Certificate Link to website: ENGINEERING
	French Exam Board: AQA Link to website: www.aqa.org.uk	Geography Exam Board & Syllabus: OCR Geography B (Geography for Enquiring Minds) - J384 Link to exam board website: GEOGRAPHY Link to the department Website: https://smhsgeographydept.weebly.com/	Health and Social Care Exam Board and Syllabus: OCR Cambridge Technical award in Health and Social Care Link to website: Cambridge Technicals - Health and Social Care - OCR
	Hospitality and Catering Exam Board & Syllabus: WJEC Level 2 Hospitality & Catering Link to website: HOSPITALITY & CATERING	History Exam Board & Syllabus: 60180924 Pearson Edexcel Level 2 GCSE in History Link to website: HISTORY	Music Exam Board & Syllabus: Pearson - BTEC Tech Award in Music Practice Link to website: MUSIC

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	<p>Spanish Exam Board: AQA Spanish 8698 Link to website: SPANISH</p>	<p>Sports Science Exam Board and Syllabus: OCR Cambridge Nationals Sport Science Link to website: https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-science-level-1-2-j828/</p>	<p>Textile Design Exam Board & Syllabus: AQA GCSE Art & Design: Textile Design Link to website: TEXTILES</p>		
<p>CEIAG</p>	<p>The focus of the year is to understand the link between revision effort in practice exams and the links to next steps P16, P18 and Careers. If all Covid restrictions have been removed we hope that students will gain an experience of a workplace. In this term students will use UNIFROG to continue to explore qualifications required for careers of interest. Students will also write an action plan to focus them on what is needed to achieve their goals and aspirations.</p>				

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Year 10 Spring Term

As a Church school, our Christian values are central to our curriculum intent:

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- To create citizens of the future who make a positive contribution to society and are equipped for the world of work by achieving nationally recognised qualifications that develop career progression
- A strong understanding of social justice which seeks to embed the values of inclusion, equality and human rights so that students can confidently recognise and challenge injustice

Christian themes and values	Compassion, Forgiveness, Holocaust, Following rules, Hope, Faithfulness, Thankfulness, Dignity, Lent		SMSC across the curriculum
Tutorial programme	Students will read two texts over the year in form time: Iain Banks: The Wasp Factory Harper Lee: To Kill a Mockingbird		Keeping healthy Race
PSHE / RSE citizenship British values	<p>Students study PSHE two mornings a fortnight. Students cover aspects of the curriculum such as:</p> <p>Your healthy body: this includes keeping physically healthy, self-image, first aid</p> <p>Your healthy mind: Students explore mental health and exam stress</p> <p>You and your life: Students consider how well they know themselves as well as exploring the concept of family.</p> <p>You and your relationships: This unit involves showing respectful for each other, healthy relationships and dating as well as how to recognise signs of an unhealthy relationship</p> <p>Sexuality and gender identity: Students look at the subject of gender and sexuality</p>		Disability Loneliness Isolation
Core Subjects	<p>English Language</p> <p>Exam Board & Syllabus: AQA GCSE English Language 8700</p> <p>Link to website: http://www.aqa.org.uk/subjects/english/gcse/english-literature-8702</p> <p>Link to the Curriculum Map ENGLISH LANGUAGE</p> <p>Students study the Poetry Anthology unit for Literature this term</p>	<p>English Literature</p> <p>Exam Board & Syllabus: AQA GCSE English Literature 8702</p> <p>Link to website: http://www.aqa.org.uk/subjects/english/gcse/english-literature-8702</p> <p>Link to the curriculum Map ENGLISH LITERATURE</p> <p>Within this term, students are introduced to the unit on Poetry anthology: Power and conflict collection. Students will consider the context of the poet, the writers' intent as well as the structure used. Students also consider how themes between poems are linked, poetic movements and the use of imagery.</p>	Nature vs nurture Appreciation of other religions Good and evil Suffering

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		Students are also introduced to the poetry anthology and unseen poetry using the skills they have learnt throughout their curriculum to annotate and analysis poetry.	Multiculturalism
	<p>Maths Exam Board & Syllabus: Pearson Edexcel GCSE Mathematics 1MA1 Link to website: MATHS EDEXCEL Link to the Curriculum Map: MATHS FOUNDATION</p> <p>In the Spring term, students grapple with Percentage Growth and Decay. Percentage growth and decay attributes itself to other areas of mathematics. Having a good understanding of this allows chances of incorporating into practice later in the year.</p> <p>In this topic, students will be able to:</p> <ul style="list-style-type: none"> • Revisit converting between fraction, decimals and percentages • Recap manipulating fractions • Recap finding percentages of amounts • Find the value after a percentage in/decrease • Find the original value given a in/decreased value <p>In the last Spring term, students explore Trigonometry and Bearings. Trigonometry and bearings appear together as, for students that are more able, it allows more complex questions to be practiced, which mix these two skills together. Students will be practice and master the:</p> <ul style="list-style-type: none"> • Use trigonometry in 2D right angled triangles • Use trigonometry without the aid of a calculator • Solve problems involving bearings • Construct triangles using a pair of compasses • Solve loci problems 	<p>Maths Exam Board & Syllabus: Pearson Edexcel GCSE Mathematics 1MA1 Link to website: MATHS EDEXCEL Link to the Curriculum Map MATHS HIGHER</p> <p>In the Spring term, students grapple with Iteration and 3D Trigonometry. This topic will allow student to find the volumes and surface area of challenging pyramids, cones, frustums and certain prisms. By the end of this topic students will be able to:</p> <ul style="list-style-type: none"> • Convert recurring decimals to fractions • Use and solve problems with iterative formula • Use trigonometry in 2d with and without a calculator • Use trigonometry in 3d contexts • Solve problems involving bearings <p>In the last Spring term, student study Construction and Loci / Congruency. These topics involving the use of compass constructions are placed together to allow students to practice the key skills before employing them to loci problems. Students will practice and master how to:</p> <ul style="list-style-type: none"> • Construct key diagrams using a pair of compasses • Use constructions to solve loci problems • Prove triangles are congruent • Draw the nets of 3d shapes • Find the surface area of prisms, cones, pyramids and spheres • Find the volume of prisms and cylinders 	Race and love Modernism – an appreciation of art and its influence Conflict and impacts Cultural awareness Appreciating different societies Global development First aid Healthy lifestyles
	<p>Science Exam Board and web link: Twenty First Century Combined Science OCR 2016 Twenty First Century Biology OCR 2016 Twenty First Century Chemistry OCR 2016 Twenty First Century Physics OCR 2016</p>	<p>Religious Studies Exam Board and Syllabus: AQA Religious Studies A (8062) Link to website: http://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062 Link to the Curriculum Map RELIGIOUS STUDIES</p>	Migration Integration

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	<p>The Spring term focuses on units: Electric Circuits and Using food and controlling growth. In the first term students enquire into the minutia of electrical circuits by examining:</p> <ul style="list-style-type: none"> • Current • Series and parallel circuits • Energy transfers in a circuit • Magnetic fields • Electric motors <p>Students use this knowledge to enquire into what is electric charge (Separate science only), What determines the current in an electric circuit, how do series and parallel circuits work? and what determines the rate of energy transfer in a circuit?</p> <p>In the letter term, focus moves to Using food and controlling growth. In this unit, students explore:</p> <ul style="list-style-type: none"> • Respiration • Subcellular structures • Microscopy • The cell cycle • Cell division • Stem cells <p>Students will become confident in applying their knowledge to exam based questions and they will practise developing their writing to be able to give extended answers on questions such as:</p> <ul style="list-style-type: none"> • What happens during cellular respiration? How do we know about mitochondria and other cell structures? • How do organisms grow and develop? • <i>How is plant growth controlled? (separate science only)</i> • Should we use stem cells to treat damage and disease? 	<p>In the Spring term, students will complete the unit above but then learn about Islam beliefs and teachings. Students will study the:</p> <ul style="list-style-type: none"> • The six articles of faith in Sunni Islam and five roots of Usul ad-Din in Shi'a Islam, including key similarities and differences. • The Oneness of God (Tawhid), Qur'an Surah 112. • The nature of God: omnipotence, beneficence, mercy, fairness and justice (Adalat in Shi'a Islam), including different ideas about God's relationship with the world: immanence and transcendence. • Angels, their nature and role, including Jibril and Mika'il. • Predestination and human freedom and its relationship to the Day of Judgement. • Life after death (Aakhirah), human responsibility and accountability, resurrection, heaven and hell. <p>In the latter term students will continue with their study of Islam to build a knowledge on Islamic beliefs and practices. Students will be able to explain their answers with an awareness of how and why Muslims practice their faith. Students will learn about:</p> <ul style="list-style-type: none"> • The Five Pillars of Sunni Islam and the Ten Obligatory Acts of Shi'a Islam. • Sawm: the role and significance of fasting during the month of Ramadan including origins, duties, benefits of fasting, the exceptions and their reasons, and the Night of Power, Qur'an 96:1-5. • Zakah: the role and significance of giving alms including origins, how and why it is given, benefits of receipt, Khums in Shi'a Islam. • Hajj: the role and significance of the pilgrimage to Makkah including origins, how hajj is performed, the actions pilgrims perform at sites including the Ka'aba at Makkah, Mina, Arafat, Muzdalifah and their significance. 	<p>Climate change</p> <p>Global accountability</p> <p>Appreciation of art, design and music</p> <p>Challenging hate</p> <p>Problem solving</p> <p>Personal responsibility</p>
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		<ul style="list-style-type: none"> Jihad: different understandings of jihad: the meaning and significance of greater and lesser jihad; origins, influence and conditions for the declaration of lesser jihad. Festivals and commemorations and their importance for Muslims in Great Britain today, including the origins and meanings of Id-ul-Adha, Id-ul-Fitr, Ashura. 	
Foundation Subjects	Art and Design Exam Board and syllabus: Pearson Edexcel BTEC Level 2 Art and Design Link to website: Art and Design Practice Pearson qualifications	Business Studies & Enterprise Enterprise: Exam Board: Pearson BTEC Level 2 Enterprise Link to website: ENTERPRISE Business: Pearson (GCSE 9-1) Link to website:	Computer Science Exam Board & Syllabus: OCR J276 Computer Science Link to website: COMPUTER SCIENCE
	Digital Information Technology Exam Board & Syllabus: BTEC Tech Awards Digital Information Technology Link to website: DIT	Drama Exam Board & Syllabus: Pearson Edexcel Level 1/Level 2 GCSE Drama (9-1) in Drama (1DR0) Link to website: DRAMA	Engineering Design Exam Board & Syllabus: OCR Cambridge National: Engineering Design Level 2 Certificate Link to website: ENGINEERING
	French Exam Board: AQA Link to website: www.aqa.org.uk	Geography Exam Board & Syllabus: OCR Geography B (Geography for Enquiring Minds)) - J384 Link to exam board website: GEOGRAPHY Link to the department Website: https://smhsgeographydept.weebly.com/	Health and Social Care Exam Board and Syllabus: OCR Cambridge Technical award in Health and Social Care Link to website: Cambridge Technicals - Health and Social Care - OCR
	Hospitality and Catering Exam Board & Syllabus: WJEC Level 2 Hospitality & Catering Link to website: HOSPITALITY & CATERING	History Exam Board & Syllabus: 60180924 Pearson Edexcel Level 2 GCSE in History Link to website: HISTORY	Music Exam Board & Syllabus: BTEC first award EDEXCEL Link to website: MUSIC

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	Spanish Exam Board: AQA Spanish 8698 Link to website: SPANISH	Sports Science Exam Board and Syllabus: OCR Cambridge Nationals Sport Science Link to website: https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-science-level-1-2-j828/	Textile Design Exam Board & Syllabus: AQA GCSE Art & Design: Textile Design Link to website: TEXTILES	
CEIAG	Students will take part in a Wexability day and use their CV to partake in an interview. Students will take part in work experience over this term			

Year 10 Summer Term

As a Church school, our Christian values are central to our curriculum intent:

- A passion for learning where knowledge is appreciated and valued for its intrinsic value
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- To create citizens of the future who make a positive contribution to society and are equipped for the world of work by achieving nationally recognised qualifications that develop career progression
- A strong understanding of social justice which seeks to embed the values of inclusion, equality and human rights so that students can confidently recognise and challenge injustice

Christian themes and values	Keeping promises, Acceptance, Empathy, Justice, Leadership, Confidence, Well-being, Loyalty, Courage, Love, Forgiveness	SMSC across the Curriculum
Tutorial programme	Students will read two texts over the year in form time: Iain Banks: The Wasp Factory Harper Lee: To Kill a Mockingbird	Keeping healthy
PSHE / RSE citizenship British values	Students study PSHE two mornings a fortnight. Students cover aspects of the curriculum such as: Your healthy body: this includes keeping physically healthy, self-image, first aid Your healthy mind: Students explore mental health and exam stress You and your life: Students consider how well they know themselves as well as exploring the concept of family. You and your relationships: This unit involves showing respectful for each other, healthy relationships and dating as well as how to recognise signs of an unhealthy relationship Sexuality and gender identity: Students look at the subject of gender and sexuality	Race Disability Loneliness
	English Language	English Literature

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Core Subjects	<p>Exam Board & Syllabus: AQA GCSE English Language 8700</p> <p>Link to website: http://www.aqa.org.uk/subjects/english/gcse/english-literature-8702 Link to the Curriculum Map ENGLISH LANGUAGE</p> <p>Students study Language Paper 1, which is focused on fiction. Students will explore:</p> <ul style="list-style-type: none"> • Fiction articles • Structural devices • Imagery • Sentence structures • Tone & atmosphere • Tier 2 vocabulary <p>In the second term, students study Paper 2 which is the non-fiction paper. Students will be exposed to a number of extracts and articles to identify, explain formal and informal language, colloquial language, varying reader and context through comparing a range of non-fiction articles.</p>	<p>Exam Board & Syllabus: AQA GCSE English Literature 8702</p> <p>Link to website: http://www.aqa.org.uk/subjects/english/gcse/english-literature-8702 Link to the Curriculum Map ENGLISH LITERATURE</p> <p>This term students focus on Paper 1 and 2 of the English Language course.</p>	<p>Isolation</p> <p>Nature vs nurture</p> <p>Appreciation of other religions</p> <p>Good and evil</p> <p>Suffering</p> <p>Multiculturalism</p>
	<p>Maths</p> <p>Exam Board & Syllabus: Pearson Edexcel GCSE Mathematics 1MA1</p> <p>Link to website: MATHS EDEXCEL</p> <p>Link to the Curriculum Map MATHS FOUNDATION</p> <p>In this term, students focus on 3D Shape.</p> <p>Students use the prior understanding of area of shape to work with volumes and surface areas. In this term students practice and master how to:</p> <ul style="list-style-type: none"> • Draw the net of a prism • Use the language of 3d shapes • Find the surface area of prisms • Find the surface area of simple non-prisms • Find the volume of prisms and cylinders • Convert between units of area and volume. <p>In the last term of the year, students are taught Statistics. Students extend their knowledge of averages to include situations when data is presented in a table. By the end of unit, students will be able to:</p>	<p>Maths</p> <p>Exam Board & Syllabus: Pearson Edexcel GCSE Mathematics 1MA1</p> <p>Link to website: MATHS EDEXCEL</p> <p>Link to the Curriculum Map MATHS HIGHER</p> <p>In the last term of Year 10, students study 3D Shape and Advanced Statistics. Having studied 3d Pythagoras and trigonometry earlier in the year, students have the skills to find surface areas and volumes of 3D shapes with missing information. Students will be able to:</p> <ul style="list-style-type: none"> • Find the volume of pyramids, cones and spheres • Find the volume and surface areas of frustums • Convert units of area/volume • Find the averages from grouped frequency tables • Use interquartile range and apply to box plots <p>In the latter part of the Summer term, students are taught Similarity and Non Right Angled Trigonometry. Having studied</p>	<p>Race and love</p> <p>Modernism – an appreciation of art and its influence</p> <p>Conflict and impacts</p> <p>Cultural awareness</p>

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	<ul style="list-style-type: none"> • Revisit finding averages from lists • Find the average from a frequency table • Find the average from a grouped frequency table • Extend trigonometry use from earlier in the year • Draw and interpret real life graphs 	<p>volumes and surface areas in the previous half term, students will now have the opportunity to study the effects of scaling the lengths of a shape/solid on the shapes area/volume. By the end of the unit, students will be able to:</p> <ul style="list-style-type: none"> • Use box plots to compare data • Draw and interpret cumulative frequency diagrams • Draw and solve problems with histograms • Apply similarity to area and volume • Find the area of triangles using trigonometry. • Use the cosine rule 	<p>Appreciating different societies</p> <p>Global development</p> <p>First aid</p>
	<p>Science Exam Board and web link: Twenty First Century Combined Science OCR 2016 Twenty First Century Biology OCR 2016 Twenty First Century Chemistry OCR 2016 Twenty First Century Physics OCR 2016</p> <p>In the final term of Year 10, students learn about Material Choices and Explaining Motion. In the first unit on Material Choices, students develop their skills to:</p> <ul style="list-style-type: none"> • Use data to choose a material <p>They also develop knowledge on:</p> <ul style="list-style-type: none"> • Bonding and structure • Nanoparticles • Life Cycle Assessments <p>Students explore how bonding and structure affects properties of materials and why nanoparticles are so useful. They also explore what happens to products at the end of their useful life.</p> <p>In the last unit of Year 10, students Explain Motion through looking at:</p> <ul style="list-style-type: none"> • Forces • Motion • Energy Transfers 	<p>Religious Studies Exam Board and Syllabus: AQA Religious Studies A (8062) Link to website: http://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062</p> <p>In the last term of Year 10 students continue their study of Islamic belief and practices. As the term develops, students also explore the final unit in year 10 titled: Religion and the family. In the unit on family, students delve into the concept of what constitutes a family and they consider the impacts and demands that are put on families both socially and religiously. This includes the role that human sexuality plays in family life such as:</p> <ul style="list-style-type: none"> • Heterosexual and homosexual relationships. • Sexual relationships before and outside of marriage. • Contraception and family planning. • The nature and purpose of marriage. • Same-sex marriage and cohabitation. • Divorce, including reasons for divorce, and remarrying. <p>Students will evaluate ethical arguments related to divorce, including those based on the sanctity of marriage vows and compassion.</p> <p>The unit will also require students to think deeply about Families and gender equality and the nature of families, including:</p> <ul style="list-style-type: none"> • the role of parents and children 	<p>Healthy lifestyles</p> <p>Migration</p> <p>Integration</p> <p>Climate change</p> <p>Global accountability</p> <p>Appreciation of art, design and music</p> <p>Challenging hate</p> <p>Problem solving</p>

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	<p>Students grasp and explain what forces are how to describe motion and explain the connection between forces and motion. Students also describe motion in terms of energy transfer.</p>	<ul style="list-style-type: none"> extended families and the nuclear family. The purpose of families, including: <ul style="list-style-type: none"> procreation stability and the protection of children educating children in a faith. Contemporary family issues including: <ul style="list-style-type: none"> same-sex parents polygamy. The roles of men and women. Gender equality. Gender prejudice 	<p>Personal responsibility</p>
Foundation Subjects	<p>Art and Design Exam Board and syllabus: Pearson Edexcel BTEC Level 2 Art and Design Link to website: Art and Design Practice Pearson qualifications</p>	<p>Business Studies & Enterprise Enterprise: Exam Board: Pearson BTEC Level 2 Enterprise Link to website: ENTERPRISE Business: Pearson (GCSE 9-1) Link to website:</p>	<p>Computer Science Exam Board & Syllabus: OCR J276 Computer Science Link to website: COMPUTER SCIENCE</p>
	<p>Digital Information Technology Exam Board & Syllabus: BTEC Tech Awards Digital Information Technology Link to website: DIT</p>	<p>Drama Exam Board & Syllabus: Pearson Edexcel Level 1/Level 2 GCSE Drama (9-1) in Drama (1DR0) Link to website: DRAMA</p>	<p>Engineering Design Exam Board & Syllabus: OCR Cambridge National: Engineering Design Level 2 Certificate Link to website: ENGINEERING</p>
	<p>French Exam Board: AQA Link to website: www.aqa.org.uk</p>	<p>Geography Exam Board & Syllabus: OCR Geography B (Geography for Enquiring Minds)) - J384 Link to exam board website: GEOGRAPHY Link to the department Website: https://smhsgeographydept.weebly.com/</p>	<p>Health and Social Care Exam Board and Syllabus: OCR Cambridge Technical award in Health and Social Care Link to website: Cambridge Technicals - Health and Social Care - OCR</p>

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	Hospitality and Catering Exam Board & Syllabus: WJEC Level 2 Hospitality & Catering Link to website: HOSPITALITY & CATERING	History Exam Board & Syllabus: 60180924 Pearson Edexcel Level 2 GCSE in History Link to website: HISTORY	Music Exam Board & Syllabus: BTEC first award EDEXCEL Link to website: MUSIC
	Spanish Exam Board: AQA Spanish 8698 Link to website: SPANISH	Sports Science Exam Board and Syllabus: OCR Cambridge Nationals Sport Science Link to website: https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-science-level-1-2-j828/	Textile Design Exam Board & Syllabus: AQA GCSE Art & Design: Textile Design Link to website: TEXTILES
CEIAG	Students will be introduced to the 6 th form through a talk with the Director of Sixth Form and Sixth form students as well as conducting a tour of 6 th form area. Students will also visit or have opportunities to be exposed to university talks as they look forward to Post 18 options. Some students will have a visit to higher education and experience some vocational courses. Students will continue to log their progress on Unifrog		