



St John Fisher
Catholic High School

Year 9 Curriculum Booklet

“I have come that they may have life and have it to the full”

John 10:10

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If you have any queries after reading this document, please send an email to enquiries@stjohnfishersschool.org.uk and your query will be forwarded to the appropriate member of staff.

Year 9 – Art

When	Topic	Assessment	What can a parent do to support?
Autumn 1	Skills. In this topic we revise learning from years 7 and 8. We revisit colour theory and tone, but in more depth, in order to create a helpful reference in preparation for GCSE.	Mind-map, drawing from secondary images. Experiments with different types of print-making. Learning to annotate	Parental support with homework. Encourage observational drawing from real life too. Support by ensuring they have equipment
Autumn 2		Experimenting with inks and pen washes. Artist studies. Final piece planning.	
Spring 1	Portraits. In this topic we learn how to draw features of the face, and how to map out the proportions of the face. We analyse the work of portrait artists, culminating in completion of a self-portrait.	Mind-map, drawing from secondary images. Facial mapping, drawing parts of the face.	Parental support with homework and artist study poster. Parents and students can look online at helpful tutorials for portraiture. Support by ensuring they have equipment
Spring 2		Experimenting with pencils and watercolour. Artist studies. Final piece planning.	
Summer 1	Landscapes. In this topic we explore landscapes – how to observe and draw buildings and natural forms. We learn about perspective and how to paint landscapes from observation, as well as analyse landscape art.	Mind-map, drawing from secondary images. Technical drawing including one and two-point perspective.	Parental support with homework and artist study poster. Support by ensuring they have equipment
Summer 2		Experiments with acrylic paint. Learning to annotate	

Additional Information.

Artists looked at; Alison Deegan, Hokusai. Van Gogh, Loui Jouver.

Helpful Books / Useful Websites

<https://www.bbc.co.uk/bitesize/subjects/z6hs34j>

<https://rapidfireart.com/2015/12/07/how-to-draw-a-face-in-8-steps/>

<https://www.youtube.com/watch?v=Q5YJQ33I35c>

Year 9 – Computing

When	Topic	Assessment	What can a parent do to support
Autumn 1	<u>Cyber Security</u> Students will be looking at cyber security and how to prevent different threats.	The final PowerPoint will be assessed both by peers and teacher.	Talk about issues that happen on the news to do with cyber security.
Autumn 2	<u>Binary</u> Students will be learning about logic and how computers store data. They will also convert numbers into different forms and look at binary arithmetic.	Students will answer questions converting numbers, binary arithmetic and about storage of data.	Talk to your child to get them to show you what they have done.
Spring 1 Rotation	<u>Python</u> Students will recap Python from last year and then learn some more advanced techniques.	Students will have some tasks to code to try out their new skills.	Let your child download Python and try out Code Academy.
Spring 2 Rotation	<u>Algorithms</u> Students will learn about how programs are designed using flowcharts. They will see how order of processes is so important. They will also learn searching and sorting.	Students will have a problem to design a solution using algorithm techniques	Get your child to practice breaking down tasks into small steps. For example, how do you make a cup of tea?
Summer 1 Rotation	<u>Business</u> Student will learn the some of the business concepts and strategies. They will develop knowledge of business ownership, cost as well as pricing strategies in business.	They will be assessed via homework, class task which involved peer and teacher assessment.	Use bbc bitesize, and discuss how businesses are managed and run.
Summer 2	Review of Year End of year tests Research task into input and output for people with disabilities	The end of year test is the final assessment.	Talk to your child to see what they have been learning.

Additional Information

During Year 9, students may rotate around 3 subjects. They will not necessarily do them in this order.

Helpful Books / Useful Websites

Code Academy: <https://www.codecademy.com>

Kodu: <https://www.kodugamelab.com/>

Python: <https://www.python.org/>

Bitesize: <https://www.bbc.co.uk/bitesize/subjects/zvc9q6f>

Bitesize: <https://www.bbc.co.uk/bitesize/guides/z4br87h/revision/1>

Year 9 – Drama

Students study a selection of topics from the following list:

Topic	Themes/Assessment	What can a parent do to support?
Autumn Term One - Drama Skills - Ensemble and Physical Theatre	This topic encourages students to develop their physicality and movement skills, encouraging them to creatively think about how they can use their physicality as a tool to recreate objects, motifs and their surroundings. Assessment is of student's application of ensemble and physical theatre skills to an existing scene.	Discuss the content of the topic with students. Assist students with learning their lines and movements.
Autumn Term Two - Drama Skills – Pantomime	Students will study this time suitable topic. They will explore the origins of Pantomime and will learn about creating both comedy and embodying stock characters. Assessment is through student's participation in a short pantomime script and assesses how they embody a given role within the play.	Assist students with learning their lines. Encourage them to work without a script and prompt them if necessary. Research Pantomime with students.
Spring Term One – Drama Skills – Blood Brothers	Students will learn how to convey messages through theatre and will explore a variety of non-naturalistic techniques. Scripted performance from an extract from Blood Brothers in mixed ability groups. Students are assessed on the delivery of their lines and how they have staged their extract from the play.	Encourage students to learn their lines without the script. Prompt them for each line if they get stuck. Encourage students to demonstrate the techniques that they have acquired during lessons.
Spring Term Two - Drama Skills – Verbatim Theatre	Students will understand how Verbatim theatre allows theatre makers to explore events and themes through the words of people at the heart of them. Assessment is based on the progression of work they complete in lessons and the given scenario at the end of the topic.	Students may need to carry out interviews and research at home as part of this topic so assist them with this by taking part if needed. Discuss the topic with students.
Summer Term One - Drama Skills – Professional Practice	Students will explore the different areas of theatre that exist beyond the role of the actor. They will have the opportunity to learn about stage management, direction and design skills. They will have the opportunity to learn about the role of lighting and sound in theatre. Assessment is based on student's selecting a role within a working theatre company and exploring their application of each role.	Discuss the different roles available to students in theatre. Look at some of the National Theatre videos online that explore backstage roles.
Summer Term Two - Drama Skills – Stage Combat	Exploring stage combat teaches students to be disciplined. Students will learn how positioning on stage can make actions appear far more believable than they are. Although assessment is through a whole class combat performance of a scene from Romeo and Juliet, students will be assessed on their contribution to the overall performance alongside the development of their combat skills.	Students could discuss the different combat techniques that they have acquired during lessons and the safety measures behind each movement.

Year 9 – English

Y9	Topic	Assessment	What parents can do to support
Term 1 15 weeks (until Christmas)	Gender Stereotypes	<p>Reading</p> <ul style="list-style-type: none"> Students will read John Steinbeck’s ‘Of Mice and Men’ as a class text. Students will also explore unseen poetry based around gender and gender roles. <p>Writing</p> <ul style="list-style-type: none"> Students will complete a letter to the editor of a local paper campaigning against gender stereotyping. 	<ul style="list-style-type: none"> Discuss the historical context of the text including snapshots of the Great Depression, Dustbowl, and Migration etc. Watch the film together and discuss the characters and plot. Discuss the term prejudice and the many forms it takes/effects it has. Discuss how boys and girls are presented by the media. What stereotypes are being presented – toys, dress, colours etc
Term 2 13 weeks (until Easter)	Thematic study Victoriana	<p>Reading</p> <ul style="list-style-type: none"> Extracts from 19th century texts including Oliver Twist. <p>Writing</p> <ul style="list-style-type: none"> Narrative writing based on the title ‘Alone’ 	<ul style="list-style-type: none"> Watch some classic Dickens/C19th films together – Great Expectations, Oliver Twist, Jane Eyre and discuss what they show about life in 19th century Britain. Encourage your child to read classic 19th century literature. Discuss childhood and how important it is.
Term 3 15 weeks (until the end of the year)	Noughts and Crosses	<p>Reading</p> <ul style="list-style-type: none"> They will be reading the play version of the text ‘Noughts and Crosses’ They will be exploring the themes of racial bias and conflict in society <p>Writing</p> <p>They will be writing a descriptive piece as well as a speech in preparation for KS4.</p>	<ul style="list-style-type: none"> Show them that you enjoy reading – let them see you with a book. Discuss things about society they would like to be different and why this is. Explore their opinion of racism in society and the effects of this.

Helpful Books / Study Materials:

Encourage as much reading as possible. This can be a variety of texts both online and in print. Accuracy in spelling, grammar and punctuation is very important. It may be worth investing in a SPAG skills book to best support your child.

Useful websites

BBC Bitesize

CGP books (SPAG) and language study

www.bbc.co.uk/skillswise

When	Topic	Assessment	What can a parent do to support?
Autumn 1	Population	<p>Student progress is monitored informally during lessons.</p> <p>More formal assessment based on classwork and homework is ongoing.</p> <p>There is an end of Year examination testing geographical, skills, knowledge and understanding covered through the year.</p>	Consider why some countries have large populations and others are small, what are the physical reasons. Discuss what affects how many children people have and the age that people live to. Talk about why people leave some places and go to other places. What impacts does this migration have on the source and destination places?
Autumn 2	Kenya		Discuss what students already know about this east African nation. Research what Kenya beyond the lions and giraffes of the savanna is like. What is life like living in Mombasa and Nairobi and how is it different to the UK?
Spring 1	Settlement		Many students only have experience of Peterborough, talk to them about what other cities are like, are they the same size, do they have older and taller buildings, are there any factories? Consider the advantages and disadvantages of living in the city and talk to students about where you would like to end up living and why.
Spring 2			
Summer 1	Rivers		Take students on a visit to a river and have a close look at the channel. What is really going on, is it getting bigger or smaller? What causes it to flow quicker or to sometimes have brown water?
Summer 2			Talk about how people have polluted rivers. Watch news programmes covering flooding disasters. What are the causes of the flooding and what is being done to reduce the chances of rivers flooding in the future?

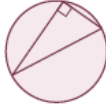
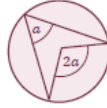
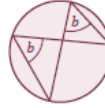
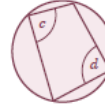
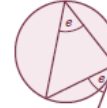

Year 9 – History

When	Topic	Assessment	What can a parent do to support?
Autumn 1	Why was it so difficult to catch Jack the Ripper?	<p>Student progress is monitored informally during lessons.</p> <p>More formal assessment based on knowledge tests, classwork and homework is ongoing</p> <p>There is an end of Year examination testing historical, skills, knowledge and understanding covered through the year.</p>	There are many documentaries on Whitechapel and the time of Jack the Ripper.
Autumn 2	What caused the First World War?		Visit local war memorial to see how many people were involved in the conflict locally. Find out what other countries from the British Empire were involved in the fighting.
Spring 1	Was the Second War Hitler's war?: the causes of the Second World War		Watch programmes about the outbreak of the Second World War.
Spring 2	Turning points of the Second World War.		Watch the 2017 film Dunkirk, visit the Imperial War Museum at Duxford.
Summer 1	How and why did the Holocaust happen?		Find out who Anne Frank was and what happened to her.
Summer 2	What was the Cold War?		Watch any documentary about what the Cold war. Visit the Imperial War Museum at Duxford or in London.

Year 9 – Maths

Assessment is by two 45 minute papers each term.

When	Topic	Areas that parents can help with
Autumn 1	Place value and rounding, adding and subtracting, multiply and divide, indices, expand and factorise, algebraic fractions.	<p>Difference of two squares A4</p> $a^2 - b^2 = (a + b)(a - b)$ $\rightarrow x^2 - 25 = (x + 5)(x - 5)$ <p>Rearrange a formula A5</p> <p>The subject of a formula is the term on its own. Rearrange to</p> <p>\rightarrow Make x the subject of</p> $2x + ay = y - bx$ $2x + bx = y - ay$ $x(2 + b) = y - ay$ $x = \frac{y - ay}{2 + b}$
Autumn 2	Angles in lines and polygons. Congruence and similarity. Handling data, averages and frequency diagrams.	<p>Similar shapes G19</p> <p>Ratios in similar shapes and solids:</p> <ul style="list-style-type: none"> • Length/perimeter 1: n a: b • Area 1: n^2 a^2: b^2 • Volume 1: n^3 a^3: b^3 <hr/> <p>Interior angles in a triangle total 180° Use this for the interior angles of any polygon... Exterior angles always total 360°</p> <p>...or $180^\circ \times (n - 2)$</p>
Spring 1	Fractions, decimals and percentages. Formulae and functions, expanding and factorising. Equivalence in algebra.	<p>Recurring decimals N10</p> <p>Make a recurring decimal a fraction:</p> $\rightarrow n = 0.23\bar{6}$ <p>(two digits are in the recurring pattern, so multiply by 100)</p> $100n = 23.\bar{6}$ <p>(this is the same as $23.63\bar{6}$)</p> $99n = 23.63\bar{6} - 0.23\bar{6} = 23.4$ $n = \frac{23.4}{99} = \frac{234}{990} = \frac{13}{55}$ <hr/> <p>Equations and identities A3</p> <p>An equation is true for some particular value of x...</p> <p>$\rightarrow 2x + 1 = 7$ is true if $x = 3$</p> <p>...but an identity is true for every value of x</p> <p>$\rightarrow (x + a)^2 \equiv x^2 + 2ax + a^2$</p> <p>(note the use of the symbol \equiv)</p>
Spring 2	Working in 2D, measuring lengths and angles, area and transformations.	<p>Areas and volumes</p> <p>Circumference of circle = $\pi \times D$ Area of triangle = $\frac{1}{2} ab \sin C$</p> <p>Area of circle = $\pi \times r^2$</p> <p>Arc length = $\frac{\theta}{360^\circ} \times \pi \times D$ Area of trapezium = $\frac{1}{2} (a + b) \times h$</p>

<p>Summer 1</p>	<p>Probability theory. Mutually exclusive events. Measures and accuracy. Estimation and calculator methods.</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Probability rules P8, P9</p> <p>Multiply for independent events $\rightarrow P(6 \text{ on dice and H on coin})$ $\frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$</p> <p>Add for mutually exclusive events $\rightarrow P(5 \text{ or } 6 \text{ on dice})$ $\frac{1}{6} + \frac{1}{6} = \frac{2}{6}$</p> <p>Apply these rules to tree diagrams.</p> </div> <div style="width: 45%;"> <p>Error intervals N15</p> <p>Find the range of numbers that will round to a given value: $\rightarrow x = 5.83$ (2 decimal places) $5.825 \leq x < 5.835$ $\rightarrow y = 46$ (2 significant figures) $45.5 \leq y < 46.5$</p> <p>Note use of \leq and $<$, and that the last significant figure of each is 5.</p> </div> </div>
<p>Summer 2</p>	<p>Solving linear, quadratic and simultaneous equations. Inequalities, circles, circle theorems, construction and loci.</p>	<p>Circle theorems G10</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Angle in a semicircle is 90°</p> </div> <div style="text-align: center;">  <p>Angle at the centre is double the angle at the circumference</p> </div> <div style="text-align: center;">  <p>Angles in the same segment are equal</p> </div> <div style="text-align: center;">  <p>Opposite angles in a cyclic quadrilateral total 180°</p> </div> <div style="text-align: center;">  <p>Alternate segment theorem</p> </div> <div style="text-align: center;">  <p>Tangent and radius are perpendicular</p> </div> </div>

Additional Information

Not all students will cover all topics each term as this depends on their ability and progress within the subject.

Useful websites to support topics

Please go here: <https://www.mathedup.co.uk/gcse-maths-takeaway/>



HOME KEY STAGE 3/4 KEY STAGE 5 GCSE TAKEAWAY A-LEVEL TAKEAWAYS T

Foundation 1 revision

1	Place Value	Video	Answers	Quiz
2	Ordering Numbers	Video	Answers	Quiz
3	Reading Scales	Video	Answers	Quiz
4	Negative Numbers	Video	Answers	Quiz
5	Fractions of an Amount	Video	Answers	Quiz

Click on the name for questions, for example **Ordering Numbers**.

Click on the **Video** for how to do the skill.

Click on **Answers** for how you should have written your answers.

Overview of topics



Just Play

Understanding how to add your own interpretation into a cover version of a song and learn to play a cover in bands



Reggae

Learn about the history of reggae, about use of syncopation and beat and learn to play off beat reggae songs



Film Music

Develop keywords, listening and appraising skills through learning about film music and write music to a scene of a film



Dance Music

Developing music technology skills through producing a electronic dance music remix or original composition using soundtrap



Samba Music

Learn about samba instruments, the origins of samba and learn to play polyrhythms with call and response, breaks and grooves

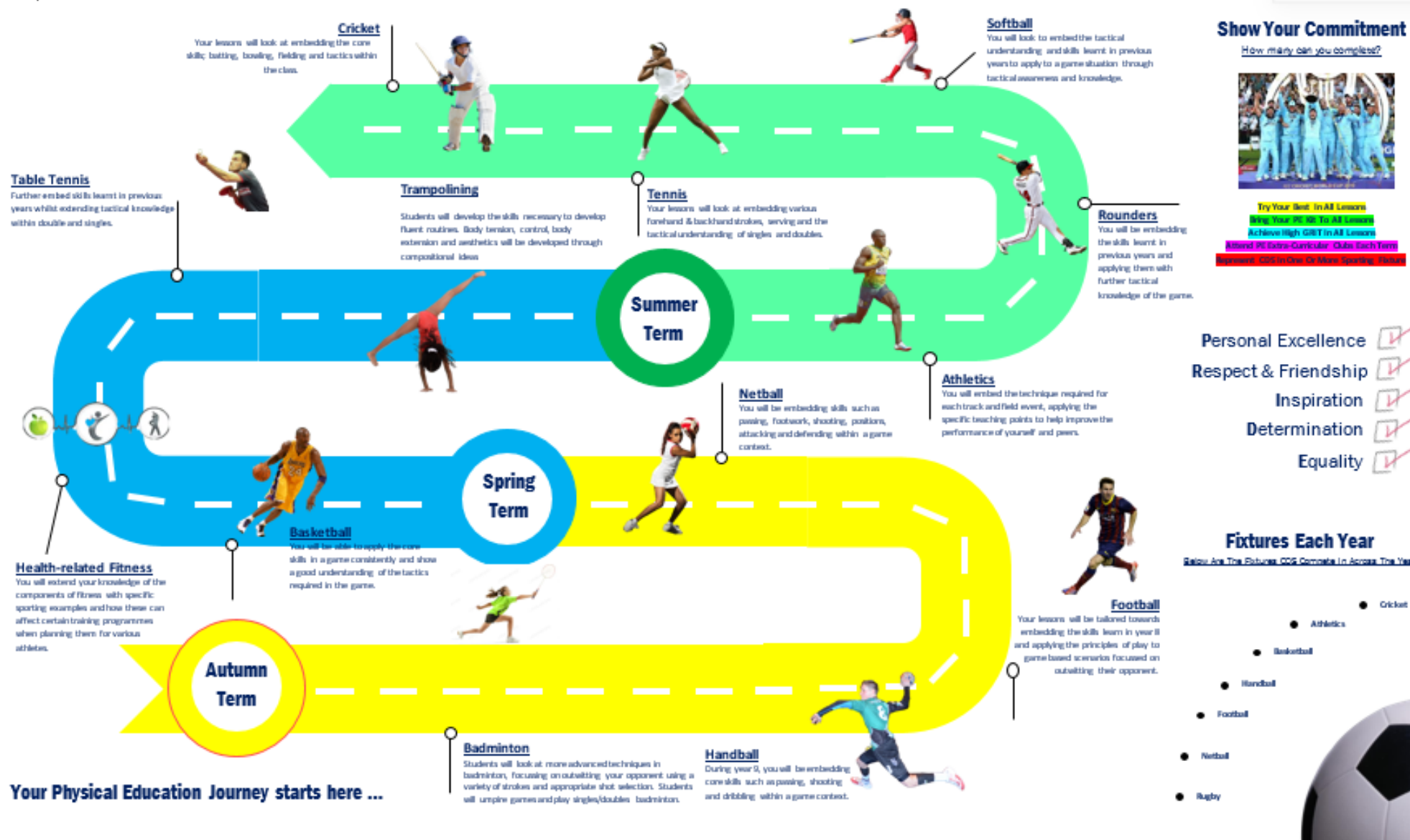


Class Concert

Learn about the several roles in the music industry and practice working as a class to produce your own concert.

St John Fisher Physical Education Journey

Year 9 – Embedding the skills, knowledge and application within Physical Education



Show Your Commitment

How many can you complete?



- Try Your Best In All Lessons
- Bring Your PE Kit To All Lessons
- Achieve High GBT In All Lessons
- Attend PE Extra-Curricular Clubs Each Term
- Represent CGS In One Or More Sporting Events

- Personal Excellence
- Respect & Friendship
- Inspiration
- Determination
- Equality

Fixtures Each Year

Relay As The Fixtures CGS Consists In Across The Year

- Cricket
- Athletics
- Basketball
- Handball
- Football
- Netball
- Rugby

Your Physical Education Journey starts here ...

Year 9 – RE

When	Topic	Assessment/HW	What can a parent do to support?
Term 1 Autumn 1 (September-October) <u>Christian Philosophy</u>	Design Cause Science and faith Religious experience Prayer, Natural and moral evil Response to evil and suffering	Outline the argument from design. Design argument does not prove God exist. Do you agree? Give a reason for your opinion. Give a reason why some people might disagree with you. Outline three examples of religious experience. What is Big Bang? Why is this so important in the God debate? What has Hawking's said big bang suggests about God? How may some say evolution causes issues for 'made in the image and likeness of God'	Help revise the key words: Catechism, omnipotent, Ex-nihilo, evolution, Design, cosmological, fides et ratio , Miracle, numinous, prayer, theodicy Help plan homework task
Autumn 2 (October-December) <u>Christian Ethics</u>	Conscience Educating conscience Freewill Educating Conscience Temptation Moral dilemma Foetus development Abortion	What is conscience? Why do human have conscience and freewill? How can one apply the parable of the Good Samaritan to conscience and freewill? "Everyone should have a right to have a baby" Evaluate this statement-use a SoWaA.	Help revise the key words: Sanctity of life, quality of life, Imago Dei, Freewill, Conscience, Foetus Help plan homework task
Term2 Spring 1 (January-February) <u>Christian Ethics cont.</u>	IVF Vanity and faith-plastic surgery Animal testing Immigration and ethic debate Humanist and Freud Forgiveness	"It is okay to test animals for new beauty products" do you agree? Give reasons for your opinion. Give reasons why some people might disagree.	<u>Christian Ethics</u> Help revise the key words: Racial equality, encyclical, Laudato Si, stewardship Help revise the key words: task
Spring 2 (February – April) <u>Catholic Marriage and family life</u>	Purpose of marriage Changing attitude to marriage Importance of children Sex before marriage Divorce-different attitudes	Outline three purpose of marriage. "Marriage is not important today". Do you agree? Give reasons for your opinion. Give reasons why some people may disagree. "Children are not a gift from God, this is a creation of Catholics". Evaluate this statement-provide a quote from the Bible or church teaching.	Nuclear family, cohabitation, divorce
Term 3 Summer 1 (April-May) <u>Family life cont.</u>	Homosexuality Role of men and women Gender prejudice and discrimination Equality of men and women Divorce, annulment and remarriage	Outline three roles of men and women in society today "Homosexuality is wrong"-Evaluate this statement. "Catholics should allow divorce". Do you agree? Give reasons for your opinion. Give reasons why some people may disagree with you.	Homosexuality, prejudice, discrimination, equality, Imago Dei. Annulment, divorce
Summer 2 (May-July) SRE	Family and relationships Love people use things Searching for love In control of my choices Family life Keeping families together	Outline three way people show true love. "It's okay to use people for personal gains". Evaluate this statement	Respect, courage, compassion, honesty, courage, Ten commandments, Bible.

Useful Websites:

<http://www.reonline.org.uk/specials/places-of-worship/>
<http://www.quodvultdeus.com/>

Year 9 – Science

In year 9 students continue to look at some of the key topics underpinning further study in Science.

When	Topic	Assessment
Autumn 1	Cells and Transport	End of topic test
Autumn 2	Tissues, Organs and Organ Systems	End of topic test
Spring 1	Atoms, Elements and the Periodic Table	End of topic test
Spring 2	Compounds and Bonding	End of topic test
Summer 1	Waves and Magnetism	End of topic test
Summer 2	Reflection and retrieval practice	End of year exam

What can a parent do to support?

Encourage students to use their class notes and look up content they are learning.

Quiz students to encourage regular recall of knowledge.

Helpful Books / Useful Websites

BBC Bitesize

Oak National Academy

Quizlet

More advanced students may want to use a GCSE revision guide to support their learning; we suggest CGP AQA GCSE Combined Science: Trilogy.

Year 9 – Technology

When	Topic	Assessment	What can a parent do to support?
Rotation 1 - Food	The science of food Investigating eggs and raising agents. Finding out what the ingredients do whilst learning the following skills: Pastry making Cake making Bread making Food Development in industry	Students will assess their own practical work and will often ask other people's opinions. Assessment of progress according to school policy. The theory will be assessed through homework/classwork and in end of year examinations.	Look at the recipe sheet with your child and make sure they have the right ingredients and container to carry the food home in. Please be prepared to try the food and give some feedback!
Rotation 2 - Textiles	Health and safety Designer research Sugar skull design skills Applique/ Using a needle and thread Patterns and seam allowance Sewing machine skills	Theory and design work will be assessed according to school policy, and with a summative test at the end of the year. Students will assess their own work in order to improve their skills.	Students may want to bring in their own embellishments and fabrics to work with, however this is NOT compulsory as equipment and fabric is provided.
Rotation 3 – Product Design	Health and Safety Using tools and equipment correctly Drawing techniques Creating a template Basic electronics Computer Aided Design Construction methods and finishes. Materials based research	Students will work on a series of practical tasks enhanced by theoretical information to create a product. This will be assessed in line with the schools marking policy and involve input from the teacher, students and personal reflection.	Students may wish to bring in images to enhance their design. All the equipment and materials are provided for the project. During the homework cycle it would be valuable to the students for parents to give feedback on the design tasks set.

Additional Information

During Year 9, students rotate around 3 subjects. They will not necessarily do them in this order.

Helpful Books / Useful Websites

Bitesize

School produced recipe book

www.foodafactoflife.org.uk

www.nhs.uk Choices