



ST. JOSEPH'S R.C. HIGH SCHOOL

Y9 Learning Plan Autumn 1

CLASSWORK /HOMEWORK	This half term we will be learning about:
<u>Art:</u>	
In term 1 and 2, pupils will be introduced to the AQA GCSE course. They will gain knowledge and understanding about all 4 assessment objectives. They will develop their skills in a range of media that all link to the Art, Craft and Design qualification and they will begin to understand and create a quality sketchbook.	
<u>Creative iMedia:</u>	
R082 Computer Graphics – What are computer graphics and what are the main purposes of them? Look at file types and formats and the considerations of resolution, raster VS vector graphics, lossy and lossless compression. Analyse existing computer graphics in terms of intended purpose, audience, white space, layout and colour schemes.	
<u>Design and Technology:</u>	
Pupils will develop a range of practical skills associated with a range of different materials. Pupils will develop their abilities to mark out and measure to a high degree of accuracy as well as understand the importance of this. Skills will also focus on improving the pupils ability to cut, shape and join a variety of materials to produce some pieces of exemplar work. During this time the pupils will also learn about methods which they have not used but which could be considered as alternatives. Alongside this practical work pupils will develop an understanding of the theory associated with the tasks they are completing and the implications of this in a Design and Technology context.	
<u>Drama:</u>	
Introduction to the Drama GCSE	
<ul style="list-style-type: none">• How to creating a clear character using the actors tools.• How to be able to use a scrip for performance.• To be able to evaluate and analyse live performance.• To be able to evaluate and analyse a script.• To be able to explore a range of stage settings for performance.• To be able to understand some of the key roles in the theatre.• To be able to answer written questions based on a script in preparation for the exam.• To be able to gain an understanding of the requirements of the Drama GCSE• To expel the 3 elements of the exam• To gain confidence I the new class• Pupils will have a clear goal on how to be successful in the Drama GCSE.	
<u>English:</u>	
Students are studying An Inspector Calls by JB Priestley as part of their English Literature GCSE course. They will focus on learning the plot, the characters and the themes. They will also be taught how to answer a GCSE-style question. In addition students will be studying examples of persuasive writing.	
<u>Food Preparation and Nutrition:</u>	
Food hygiene	
The main focus this half term will be on safety and hygiene practices. Pupils will learn about personal hygiene, cleaning, cross contamination and cooking, serving and cooling temperatures. They will develop their understanding of food borne illnesses and how to minimise risk.	
Nutrition: Diet and good health	
Pupils will build on their existing knowledge of healthy diets. They will start to look at nutritional requirements for a range of different groups of people, considering factors such as age and lifestyle. They will also consider factors affecting food choice and learn about a variety of special diets.	
<u>Foreign Languages:</u>	
Introduction to the GCSE – how the course works. Theme 1 – Identity and culture, family and relationships. Listening, Speaking, Reading and writing around personal including present tense for regular and irregular verbs, possessive adjectives, word order and agreement, reflexive verbs and key interrogatives.	
<u>Geography:</u>	
The pupils will start their GCSE by using the time to complete a mock GCSE paper 3, including the Middlebrook Fieldtrip and Investigation – this will involve a short trip to the Middlebrook Retail Park where pupils will do two investigations (like they will for the actual GCSE). Afterwards pupils will need to write up about the theory, methods, results, conclusions and evaluation from the fieldtrip.	



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We will also recap some key geographical skills that will help the pupils throughout GCSE Geography, including grid references, longitude and latitude, map symbols and distance on a map.

Health and Social Care:

During this half term, lessons will focus on development during different life stages. Pupils will learn about how people develop physically, intellectually, emotionally and socially throughout their lives and consider the milestones that it is usual to reach at each stage.

History:

Pupils will start their GCSE by studying for Edexcel Paper One Section B: Medicine through Time 1250 – Present. The focus this half term will be on Medieval and Renaissance medicine, looking at what they believed caused illness and how it was treated and how they tried to prevent it. They will develop their skills on the key History concepts of contextual knowledge (AO1) and demonstrating second order concepts of change and continuity and cause and consequence (AO2). The focus will be on learning how to answer GCSE style questions.

IT:

Project life cycle – what is it, how does it work, Iteration, Planning tools including Gantt charts, critical path analysis, mind maps, SWOT analysis and mitigating risks.

Cyber-security including risks and preventative measures and hackers (Black hat, grey hat and white hat).

Maths:

Foundation:

- Integers and place value
- Decimal calculations and rounding
- Indices, powers and roots
- Factors, Multiples and Primes
- An introduction to simplifying algebraic expressions (addition/subtraction/multiplication and division)

Higher:

- Calculations with decimals and integers
- Rounding to significant figures
- Indices, roots and the hierarchy of operations
- Factors, Multiples and Primes
- Standard form
- Simplifying Surds
- An introduction to simplifying algebraic expressions including indices

Substitution into formulae:

Music:

Introduction to solo and ensemble performance and music analysis study

- Students will begin developing solo and ensemble performance pieces.
- Students will play a range of contrasting pieces and develop their ability to read lead sheets and scores.
- Students will learn the acronym and musical terms for 'DR PAT SMITH' and apply these to appraise musical performances.
- Students will study and understand the performance criteria and methods for performance development (expression and interpretation).
- Students will develop their understanding of music theory and notation.

OCR: Sport:

This unit of work will develop pupil's knowledge and understanding of components of fitness and methods of training. Pupils will identify how the sport and physical activity industry tests for a wide range of components of fitness. They will also carry out these tests and be able to evaluate and analyse the results and develop them into a suitable and detailed fitness training programme. Pupils will know the principles of training and various training methods, in a sporting context and be able to explain them such as;

- progression, i.e. progressive overload by increasing frequency, intensity, time, type, adherence (FITTA)
- specificity, i.e. practices a skill used in a sport, trains the muscle group(s) predominantly used in a sport (e.g. passing the ball in rugby)



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•aerobic and anaerobic exercise, i.e. difference between aerobic and anaerobic exercise, i.e. aerobic, i.e. utilising oxygen to fuel the body during exercise anaerobic, i.e. fuelling the body during exercise without using oxygen
Pupils will understand how these elements can be monitored and evaluated within a 6 week training programme and how to effectively evaluate individual performance and how it can be adapted and modified if needed

RE:

Philosophy and Ethics including: Nature of God, Design argument for the existence of God; Causation argument for the existence of God; Natural and Moral evil; Problem of evil and suffering; and moral decision making. Exam skills focused on knowledge, understanding, evaluation and analysis.

Science:

Biology Unit 1: Cells: Cells are the basic unit of all forms of life. In this section we explore how structural differences between types of cells enables them to perform specific functions within the organism. These differences in cells are controlled by genes in the nucleus. For an organism to grow, cells must divide by mitosis producing two new identical cells. If cells are isolated at an early stage of growth before they have become too specialised, they can retain their ability to grow into a range of different types of cells. This phenomenon has led to the development of stem cell technology. This is a new branch of medicine that allows doctors to repair damaged organs by growing new tissue from stem cells.

Chemistry Unit 1: Atomic Structure

The periodic table provides chemists with a structured organisation of the known chemical elements from which they can make sense of their physical and chemical properties. The historical development of the periodic table and models of atomic structure provide good examples of how scientific ideas and explanations develop over time as new evidence emerges. The arrangement of elements in the modern periodic table can be explained in terms of atomic structure which provides evidence for the model of a nuclear atom with electrons in energy levels.