

Year 9 Curriculum MTP - Autumn Term 1.1

Subject	What will be covered this term? Students will learn to:	How will my child be assessed this half term?	Resources
Arabic	Basic Information About Me Differentiate between letters Cardinal and ordinal numbers - Greet people in Arabic - Introduce oneself - Use question words and form basic questions - Say what nationality one is My Family: - Recognise words related to family - Describe the family members. - Use past and present tense - Read for gist - Use past present tense-active participle - Express opinion-Past, present and future tense. - Give reason-verb forms	- Prior Knowledge tests before the new topic is taught - Evaluation after each lesson - End of topic tests	Textbook title: The Pre-GCSE Arabic companion - Interlingo: https://www.interlingo.co.uk/ - Duolingo: https://www.duolingo.com/learn - YouTube Arabic Blooms: https://www.youtube.com/channel/UCmYbjzYhTccpD6MN_b964HA
Art	Topic: Insects/Mria Sybilla Merian - Understand that insects are beautifully created with unique designs that can be used in art work - Understand that different materials can be used to show different textures of an insects - Draw an insect using materials that enhances the colours of an insect - Add highlights and shadows - Use different drawing techniques to create insects - Use symmetry to complete a drawing of an insect - Apply gridding method to enlarge a section of an image accurately	- Prior Knowledge of drawing test, starter - End of lesson quiz - Classwork and homework	https://www.youtube.com/watch?v=DfLIMMe cq8g https://www.youtube.com/watch?v=BidHWkx 7F2Q https://www.youtube.com/watch?v=2CS1UdG c-LQ

	• Apply colour neatly and blend smoothly • Introduce new techniques and concepts and support forming of opinions. • Analyse the composition and techniques of artworks • Build confidence in using a wide range of materials • Use formal elements of line, tone, shape, form, space and texture • Annotate findings, design and create a final piece that reflects understanding of the main topic		
Citizenship	Topic: Personal Wellbeing and Mental Health • Understand why confidence is important • Explore how to build up confidence in difficult situations • Explain what confidence is • Define 'Self Esteem' • Explain the importance of self esteem • Identify and develop techniques to increase self esteem • Explain the difference between confidence and self esteem • Explore and identify the challenges teenagers face • To learn how to build resilience when faced with those challenges • Identify methods of coping with issues that might arise in different relationships, focusing on friendships • Explore the techniques of problem solving • Understand the concept that not all problems can be solved and how to deal with this idea	• Prior Knowledge tests before the new topic is taught • Evaluation after each lesson • End of topic tests	• Textbook title: Your Choice- Book three • https://www.youtube.com/watch?v=RWbX958xwCA • https://www.bbc.co.uk/bitesize/articles/zhvtb dm • https://www.youtube.com/watch?v=KMSiHqU NokY
Computing	Topic: Internet Networks and Protocol • Identify computer network topologies • Identify the advantages and disadvantages of topologies • Understand the difference between the internet and the WWW • Understand the features of web addresses such as the domain name	• Observational assessments using ICT during lesson time • Evaluation after each lesson • End of topic tests	• Computers • Internet • https://www.bbc.co.uk/bitesize • You tube videos • Student workbooks

	• Understand how computers use IP addresses to communicate • Understand what Internet Protocol means and how it applies to information being sent • Understand that data is sent in data packets • Identify what information is included in data packets • Understand what VOIP means and identify the advantages and disadvantage • Understand what cyber-attack means • point of views towards for and against cyber attacks		
English	Topic: Dare to Scare • Analyse themes and motifs of typical horror stories • Analyse in details how language can create atmosphere and build tension • Use inference to explore characterisation • Understanding the use of irony in Dracula • Comment on how writers use sentence structure, word choice and imagery to create impact and drama • Explore a range of themes in psychological horror stories • Compare the effectiveness of graphic horror with psychological horror • Experiment with different techniques of conveying horror in a dramatic scene • Explore how verb tense influences the narrative voice and its effect	• Big write - To write a continuation from a existing horror story • Journalism - To write a newspaper article	• Textbook - Ignite English Book 3
Geography	Topic: Our Restless Planet • Label a cross section of the Earth and demonstrate an understanding of the characteristics of each layer • Describe and explain plate tectonic theories including convection currents and slab pull • Identify, label and describe different plate boundaries • Define earthquake and locate earthquake prone areas on a map	• End of lesson quizzes • End of topic assessments	• Textbook title: Geog. 3 Pearson • Kerboodle • Ordnance Survey Maps and Atlases https://www.kerboodle.com/users/login

	- Assess the impact of earthquakes on people and the environment using the 2008 Sichuan earthquake as a case study - Explain what a tsunami is and the impact it has on people and the environment - Describe where volcanic eruptions occur, including hot spots, on a map and explain the impact on people and society - Use current news and historical sources to assess the advantages and disadvantages of living in tectonically active areas - Assess the impact of living in tectonically active danger zones		
History	Topic: The Holocaust - Explain the persecution faced by Jews in Europe before the 20th century - Understand some of the reasons why Jews faced persecution - Understand what life was like for Jews in 19th and early 20th-century Europe - Understand how life changed for Jews after Hitler came to power - Understand the impact the Holocaust had upon one family - Understand how and why the mass murder of Jews in the Holocaust began - Understand how some Jewish groups resisted the Nazis, and the impact that they had	- Prior Knowledge tests before the new topic is taught - Evaluation after each lesson - End of topic tests	- Exploring History textbook https://www.bbc.co.uk/bitesize/guides/zkfk7ty/revision/1 https://www.youtube.com/watch?v=4ejvegGwXYs https://www.youtube.com/watch?v=AAhFcf5uVr4
Maths	Topic 1: Number - Apply the four operations to integers, decimals both positive and negative - Understand and use place value - Recognise and use relationships between operations - Use conventional notation for priority of operations - Use the concepts and vocabulary of prime numbers, factors (divisors), multiples, HCF, LCM - Apply systematic listing strategies - Use positive integer powers and associated real roots	- Prior Knowledge tests before the new topic is taught - Evaluation after each lesson - End of topic tests.	Textbook title: Edexcel GCSE (9-1) Mathematics Higher https://senecalearning.com/en-G B/blog/gcse-maths-revision/ https://mathsmadeeasy.co.uk/gcs e-maths-revision/

	• Calculate with roots and with integer and fractional indices • Calculate with and interpret standard form • Round numbers and measures to an appropriate degree of accuracy, Topic 2: Algebra • Use conventional notation for priority of operations, including brackets, powers, roots and reciprocals • Calculate exactly with fractions/surds • Use and interpret algebraic notation, substitute numerical values • Argue mathematically • Rearrange formulae • Interpret simple expressions • Solve equations • Use iteration to find solution • Derive an equation • Recognise and use sequences of triangular, square, cubic, Fibonacci and geometric • Calculate the nth term of linear sequences		
PE	Rounders • Bowl with accuracy • React quickly and position myself in place to catch the ball when fielding • Catch the ball and throw to teammates whilst under pressure • Judge where to stand when fielding and position body accurately • Accurately hit the ball when batting • Select the appropriate action for the situation • React quickly and run for the bases after batting the ball	Formative ongoing Teacher Assessment	• https://peplanning.org.uk/the-staffroom/ • https://www.thepeshed.com/resources
RSE	Topic: Determining whether people are trustworthy and safe To recognise: • What it means to be trustworthy and how to develop this trait • Whether people are trustworthy	• Revisit Prior Knowledge before the new topic is taught • Evaluation after each lesson	• AMS resources (PPT, Guide & videos)

	When other children and/or adults are using manipulation, persuasion or coercion and how to respond and judge when a relationship is unsafe		
Religious Education (RS)	Topic: Introduction to Islamic Beliefs Topics Covered: - Understand Muslim beliefs in the oneness of God and the Supremacy of God's will - Know the key beliefs of Sunni Islam and Shia Islam Understand Muslim beliefs about the nature of God - Understand Muslim beliefs about the nature of Angels - Understand Muslim beliefs about predestination and human freedom	- Prior Knowledge tests before the new topic is taught - Evaluation after each lesson - End of topic tests - Taught regarding Exam structure and 12 Markers	www.kerboodle.com
Science	Topics: Key concept in Biology - Explain how changes in microscope technology, including electron microscopy, have enabled us to see cells with more clarity and detail than in the past - Demonstrate an understanding of size and scale in relation to microscopy, including magnification calculations - Demonstrate an understanding of the relationship between quantitative units, including: (a) milli (10⁻³), (b) micro (10⁻⁶), (c) nano (10⁻⁹), (d) pico (10⁻¹²) - Explain how the subcellular structures of eukaryotic and prokaryotic cells are related to their functions, including: (a) animal cells – nucleus, cell membrane, mitochondria and ribosomes (b) plant cells – nucleus, cell membrane, cell wall, chloroplasts, mitochondria and ribosomes. - B1.4 Demonstrate an understanding of size and scale in relation to microscopy, including magnification calculations - B1.6 Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations	- Prior Knowledge tests before the new topic is taught - Evaluation after each lesson - End of topic tests	Textbook title: Edexcel combined science - GCSE Bitesize science - Seneca science GCSE Seneca - Learn 2x Faster (senecalearning.com) GCSE Past Papers & Questions by Topic Save My Exams

- Describe how specialised cells are adapted to their function, including (a) sperm cells – acrosome, haploid nucleus, mitochondria and tail, (b) egg cells – nutrients in the cytoplasm, haploid nucleus and changes in the cell membrane after fertilisation, (c) ciliated epithelial cells
- Demonstrate an understanding of size and scale in relation to microscopy, including magnification calculations
- Produce labelled scientific drawings from observations of biological specimens using microscopes
- Explain how the subcellular structures of eukaryotic and prokaryotic cells are related to their functions, including: (c) bacteria – chromosomal DNA, plasmid DNA, cell membrane, ribosomes and flagella
- Calculations with numbers written in standard form
- Explain the mechanism of enzyme action including the active site and enzyme specificity
- Explain how enzymes can be denatured due to changes in the shape of the active site
- Investigate the factors that affect enzyme activity
- Explain the effects of temperature, substrate concentration and pH on enzyme activity
- Demonstrate an understanding of rate calculations for enzyme activity

Cells and Controls

- Describe the process of mitosis and meiosis
- Describe that cancer is the result of changes in cells which leads to uncontrolled cell division
- Describe the processes involved in growth in animals and plants
- Describe the role of specialised cells in animals and plants
- Understand and interpret percentile charts in monitoring growth