Year 10 Curriculum MTP - Summer Term 3.1

Subject	What will be covered this Term? Students will learn to:	How will my child be assessed this half term?	Resources
Arabic	**Eid Mubarak!** • Describe festivals and traditions • Use the plural **What school is like?** • The plural • Talk about different Subjects • Use time expressions • Write the school subjects timetable in Arabic • Describe the school • Express a favourite school subject and a favourite day of the week giving reasons	• Consolidate previous knowledge • End of term	• **Textbook title:** The New GCSE Arabic Companion • Interlingo: https://www.interlingo.co.uk/ (listening) • https://www.youtube.com/playlist?list=PL7RpCYE5gLKF3Wus9QmIXHuy4p81lpaVA • Duolingo:https://www.duolingo.com/

Citizenship	**Topic: Theme C- How the law works** • Understand the purpose of the law in society • Identify how the law is implemented • Explain the difference between civil and criminal law • Analyse what happens once a party comes to power • Discuss who and what put the law into practice • Identify the difference between criminal and civil courts • Explain the purpose of both court systems and identify who they are designed for **Topic: Theme D - Power and Influence** • Explain how trade unions work • Identify how trade unions were started • Explore how conflict can be resolved at work • Explore and identify the scope and influence of the media • Understand the importance of a free press • How does the media inform and influence the public? • How are roles enforced about what can and cannot be published? • Explore how the media scrutinises and exposes issues in society and in the government • How do groups, individuals and those in power use the media to influence public opinion? • What does it mean to be part of the European Union? • Understand how people and organisations in the UK are affected by European regulations • Explain what the Commonwealth is and identify its pros and cons • Understand what the work of the United Nations is and the role they play in the world today • Investigate how the UN carry out their work • Understand NATO and their work and what membership means • Understand what the WTO is and the work they do • Understand the work of international justice and how people and countries are held to account • Understand what NGO's are and the work they do • Identify the role of the UK in resolving international conflict	• Evaluation after each lesson • End of topic tests • Past papers	• Citizenship Today Textbook • https://www.bbc.co.uk/bitesize/topics/z8j2n39 • https://www.bbc.co.uk/bitesize/guides/z93ck7h/revision/3

Computing	**Topic: Programming: subprograms** • describe what is meant by a structural approach to programming and explain the benefit of this approach. • create and call a procedure in a program. • create a program that uses a function to return values. • explain the difference between a local and global variable. • use a project brief to design a solution. • implement a program from a design and perform testing to ensure it works as expected.	• Prior Knowledge • Observational assessments using ICT during the lesson • Evaluation after each lesson • Evaluation after homework • End of topic tests	• Oaks Academy online resources • Computers • Internet • https://editor.raspberrypi.org/en-US/projects/blank-python-starter
English	**Topic: Macbeth** • Establish the occurring themes in the play • Analyse the opening scene & ending scene • Provide a detailed analysis of each character (character analysis) • Identify language techniques • Present well- structured paragraphs/ essays • Analyse the language, form and structure used by a writer to create meanings and effects, using relevant subject terminology where appropriate • Use textual references, including quotations, to support and illustrate interpretations	• Exam style questions • Assessments in exam conditions • Short Quiz after every Act	• https://www.bbc.co.uk/bitesize/topics/z4gw2hv
Geography	**Topic: People & the Biosphere** • Describe and explain how the global distribution and characteristics of major biomes are influenced by climate • Explain the local factors that can alter the biome distribution locally and how the biotic and abiotic components of biomes interact • Explain how the biosphere provides resources for indigenous and local people but it is increasingly exploited commercially for energy, water and mineral resources • Explain how the biosphere regulates the composition of the atmosphere, maintains soil health and regulates water within the hydrological cycle, providing globally important services. • Describe the global and regional trends increasing the demands for food, energy and water resources, and theories on the relationships between population and resources • Compare climate graphs for different biomes • Use world maps to show the location of global biomes	• End of lesson quizzes • End of topic assessments	• **Textbook title:** Edexcel GCSE (9-1) Geography B Investigating Geographical Issues/Pearson • BBC Bitesize website https://www.bbc.co.uk/bitesize/topics/zskbv4j • Revision World - Past GCSE exam questions • https://revisionworld.com/ • Ordnance Survey Maps and Atlases

	• Interpret line graphs showing the range of future global population projections, and population in relation to likely available resources **Topic 8: Forests Under Threat** • Describe the tropical rainforest's equatorial climate • Describe the taiga forests subarctic climate • Describe similarities and differences between the climates of the tropical rainforest and the taiga • Define abiotic and biotic characteristics • Label a nutrient cycle diagram and use it to explain biodiversity in the TRF • Describe plant and animal adaptations to the equatorial climate • Identify distinctive abiotic and biotic characteristics of the taiga forest • Explain why taiga biodiversity is lower than in the TRF. • Describe plant and animal adaptations to the subarctic climate • Explain the difference between direct threats and indirect threats • Identify and describe the causes of rainforest deforestation • Explain why climate change is a threat to the tropical rainforest • Identify direct and indirect threats to the taiga forest from commercial development and explain other factors contributing to a loss of taiga biodiversity • Explain advantages and disadvantages of global actions to protect tropical rainforest species and areas • Suggest reasons for different rates in rainforest deforestation • Explain the challenges of sustainable rainforest management • Identify some of the challenges facing attempts to protect wilderness areas in the taiga • Explain why sustainable forestry is sometimes difficult to maintain in the taiga • Discuss why people have different views about protecting the taiga or exploiting the forest and natural resources of the taiga • Use an interpretation of nutrient cycle diagrams and food webs diagrams		

History	**Period study: The American West, c1835–c1895** • Understand beliefs about land and nature and attitudes to war and property • Explain the factors encouraging migration • Understand early migration to c1850, including the experiences of the Donner Party and the Mormon migration, 1846–47 • Discuss the reasons for tension with Plains Indians, The significance of the first Fort Laramie Treaty (1851). The Indian Appropriations Act (1851). • Explain the significance of the railroads; the Pacific Railroad Act (1862) and the completion of the First Transcontinental Railroad (1869) and the spread of the railroad network • Explain the impact of the Homestead Act (1862). The impact of the Timber Culture Act (1873) • Understand the changing role of the cowboy, including changes in ranching	• End of topic assessments • Exam questions • Ongoing assessments	• https://www.google.com/search?q=american+west+gcse+ks4&rlz=1C1CHBF_enGBGB926GB928&source=lnms&tbm=vid&sa=X&ved=2ahUKEwi3xfipzNj9AhULS0EAHcjVARgQ_AUoA3oECAEQBQ&biw=1024&bih=625&dpr=1 • https://www.bbc.co.uk/bitesize/guides/znhkpg8/revision/1 • https://www.bbc.co.uk/bitesize/guides/zshwv9q/revision/1
Maths	**Topic: More Trigonometry** • Use upper and lower bounds • Understand how to find the sine/cosine/tangent of any angle • Know the graph of a sine/cosine/tangent function and solve its equations • Find the area of a triangle and segment of a circle • Use the sine/cosine rule to solve 2D problems • Solve bearing problems using trigonometry • Use Pythagoras and trigonometry in 3D • Recognise how changes in a function affect a trigonometric graph **Topic: Further statistics** • Use random sampling and the capture- recapture method • Draw and interpret cumulative frequency tables and • graphs • Work out median, quartiles, and interquartile ranges • Draw and interpret box plots • Understand frequency density • Draw/interpret histograms • Solve problems by comparing distributions	• Prior Knowledge tests before the new topic is taught • Evaluation after each lesson • End of topic tests	• **Textbook title:** Edexcel GCSE (9-1) • https://senecalearning.com/en-GB/blog/gcse-maths-revision/ • https://mathsmadeeasy.co.uk/gcse-maths-revision/

PE	**Athletics/Yoga** • Stretch effectively and use various forms of warm ups to prepare myself for exercise • Work on controlling my breathing and applying different breathing methods for different tasks • Show a good level of flexibility when carrying out different yoga poses • Effectively carry out various methods of yoga with a clear mind • Show accuracy and good technique when throwing for distance • Show accuracy and good technique when catching • Display a good level of speed, agility, accuracy, precision and hand-eye coordination • Compete within the rules showing fair play and honesty • Display good sportsmanship and work well with others • Assess my capabilities and work on ways to develop and improve further • Develop strategies that utilises the strengths of each member of my team effectively	• Formative ongoing Teacher Assessment	• https://peplanning.org.uk/the-staffroom/ • https://www.thepeshed.com/resources
RSE	**Pregnancy Facts, including Miscarriage and Contraception** • Discuss facts about sexually transmitted infections and diseases • Explore the impact and treatment of sexually transmitted infections and diseases • Consider how Islamic practices can help to limit sexually transmitted infections and • diseases • explored the stages of pregnancy mentioned in the Qur'an • Review online support services for those experiencing difficulties in pregnancy and • birth and for those dealing with miscarriage and loss	• Revisit the Prior Knowledge before the new topic is taught • Evaluation after each lesson	• AMS resources (PPT, Guide & videos)
Religious Studies (RS)	**Christian Beliefs** **Topic: The Afterlife and Judgement Day** • Understand Christian beliefs about the afterlife and judgement • Analyse the effect of these beliefs on Christians **Topic: Heaven and Hell** • Gain knowledge of the Christian concept of heaven and hell	• Prior knowledge tests before the new topic is taught • End of chapter assessments	• Textbook title: Religious Studies A -Christianity • Kerboodle • BBC Bitesize RE • Seneca Learning • https://www.kerboodle.com/users/login • https://www.bbc.co.uk/bitesize/subjects/zh3rkqt

	• Understand the difference between literal and modern interpretation **Sin and Salvation** • Learn about the Christian beliefs about the Origin and nature of sin, including the original sin • Consider the effect that sin has on salvation according to Christians **The role of Jesus in Salvation** • Understand the role of Jesus' crucifixion and resurrection in salvation • Know and understand the concept of atonement in Salvation		• https://senecalearning.com/enGB/blg/gcse-religious-studies-revision/
Science	**Topic: Forces and their effect** • Describe, with examples, how objects can interact a) at a distance without contact, linking these to the gravitational, electrostatic and magnetic fields involved • b) by contact, including normal contact force and friction c) producing pairs of forces which can be represented as vectors • Explain the difference between vector and scalar quantities using examples • Use vector diagrams to illustrate resolution of forces, a net force, and equilibrium situations (scale drawings only) • Draw and use free body force diagrams • Explain examples of the forces acting on an isolated solid object or a system where several forces lead to a resultant force on an object and the special case of balanced forces when the resultant force is zero **Electricity and circuits** • Describe the differences between series and parallel circuits • Recall how to measure potential difference using a voltmeter in series and parallel circuits • Recall how to measure current using an ammeter in series and parallel circuits • Recall and use the equation: E = Q × V and Q = I × t • Describe how to use a variable resistor in a circuit and use the equation V = I × R • Investigate the relationship between, V, I and R for a resistor and a filament lamp • Use the equations: E = I × V × t, P = E/t , P = I × V, P = I 2 × R • Recall the potential differences between the live, neutral and earth mains wires	• Prior Knowledge tests • Evaluation after each lesson • End of topic tests.	• Textbook title: Edexcel GCSE (9-1) Combined Science • BBC bitesize • https://www.bbc.co.uk/bitesize/subjects/zh3rkqt • www.savemyexams .com