



GEMS Winchester School Dubai



Summer Learning Guide Year 11

Overview and Contents

This guide has been produced to support Year 11 students with their preparations for Year 12 study in 2022-2023. You should complete the activities as directed to you by your teachers in your end of term reports – if you are 'Working At' in a subject, you should complete those activities, for example. If you are a new student or the subject will be new to you next year, you should complete any of the activities you feel less confident about.

Please click on the links below to take you through to a combination of lesson and revision activities that can be completed for each subject during the Summer break. For each subject, there are also some suggestions of activities you can complete just for fun!

Subject	Link	Subject	Link
English Literature	Click here	ICT	Click here
Maths	Click here	French	Click here
Biology	Click here	Global Perspectives	Click here
Chemistry	Click here	Travel & Tourism	Click here
Physics	Click here	Art	Click here
Arabic	Click here	Business Studies	Click here
Islamic	Click here	Economics	Click here
Computer Science	Click here	Physical Education	Click here

English Literature Summer Learning Guide

Securing your Learning

If your current working level in this subject is between Grade 1 and Grade 5, you should complete the activities as described in the table below. If your current working level is Grade 6 or better, you should identify topics from the table you feel less confident about and complete the relevant activities.

Topic	Curriculum Expectation Success Criteria	Activities
Othello by William Shakespeare	AO1 – I can demonstrate relevant connection between contexts and genre, leading to straightforward interpretations. AO2 – I can demonstrate straightforward understanding of authorial methods in relation to the task. AO3 – I can sensibly order ideas in a relevant argument in relation to the task.	https://www.sparknotes.com/shakespeare/othello/
Death of Salesman by Arthur Miller	AO1 – I can demonstrate relevant connection between contexts and genre, leading to straightforward interpretations. AO2 – I can demonstrate straightforward understanding of authorial methods in relation to the task. AO3 – I can sensibly order ideas in a relevant argument in relation to the task.	https://www.sparknotes.com/lit/salesman/
Poetry (Thomas Hardy Selection)	AO1 – I can demonstrate relevant connection between contexts and genre, leading to straightforward interpretations. AO2 – I can demonstrate straightforward understanding of authorial methods in relation to the task. AO3 – I can sensibly order ideas in a relevant argument in relation to the task.	Neutral Tones To an Unborn Pauper Child After a journey
The Great Gatsby by F. Scott Fitzgerald	AO1 – I can demonstrate relevant connection between contexts and genre, leading to straightforward interpretations. AO2 – I can demonstrate straightforward understanding of authorial methods in relation to the task. AO3 – I can sensibly order ideas in a relevant argument in relation to the task.	https://www.sparknotes.com/lit/gatsby/

Deepening your Learning

The activities below have been designed to enhance your learning from this year. If your current working level is Grade 6 or above, you should aim to complete these activities to stretch you further; if your current working level is between Grade 1 and Grade 5, you might choose to complete some of the activities below once you have completed all of the 'Securing your learning' tasks.

Topic	Working Above Expectation Success Criteria	Activities
Othello by William Shakespeare	AO1 - I can demonstrate perceptive understanding of the significance of relevant contexts in relation to the task. AO2 - I can explain assured engagement with how meanings are shaped by the methods used. AO3 – I can explain perceptive and assured sophisticated argument in relation to the task.	https://www.sparknotes.com/shakespeare/othello/
Death of Salesman by Arthur Miller	AO1 - I can demonstrate perceptive understanding of the significance of relevant contexts in relation to the task. AO2 - I can explain assured engagement with how meanings are shaped by the methods used. AO3 – I can explain perceptive and assured sophisticated argument in relation to the task.	https://www.sparknotes.com/lit/salesman/
Poetry (Thomas Hardy Selection)	AO1 - I can demonstrate perceptive understanding of the significance of relevant contexts in relation to the task. AO2 - I can explain assured engagement with how meanings are shaped by the methods used. AO3 – I can explain perceptive and assured sophisticated argument in relation to the task.	Neutral Tones To an unborn pauper child After a journey
The Great Gatsby by F. Scott Fitzgerald	AO1 - I can demonstrate perceptive understanding of the significance of relevant contexts in relation to the task. AO2 - I can explain assured engagement with how meanings are shaped by the methods used. AO3 – I can explain perceptive and assured sophisticated argument in relation to the task.	https://www.sparknotes.com/lit/gatsby/

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Expanding Brackets	I can expand double and triple brackets.	Expanding Brackets Clip Double Brackets Worksheet Triple Brackets Worksheet
Indices	I can apply the laws of indices.	Laws of Indices Clip Indices Worksheet
Factorising Quadratic Expressions	I can factorise quadratic expressions.	Factorising Quadratics Clip Factorising Quadratics Worksheet
Solving Quadratic Equations	I can solve quadratic equations.	Solving Quadratic Equations Clip Quadratic Equations Worksheet
Equation of a Straight Line	I can work out the equation of straight line.	Equation of a Line Clip Equation of a line worksheet
Probability	I can work out probability of a single and combined event.	Probability Clip Probability Worksheet
Probability (tree diagram)	I can construct and work out the probability from a tree diagram.	Tree Diagram Clip Tree Diagram Worksheet
Arcs and sectors	I can find the length of an arc and area of sector.	Arcs and Sectors Clip Arcs and Sectors Worksheet

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Topic	Working Above Expectation Success Criteria	Activities
Transformation of Graphs	I can transform graphs (reflection, translation)	Transformation of Graphs Clip Transformation of Graphs Exam Practice
Functions	I can understand and apply my knowledge of functions.	Introduction to Functions Clip Composite Functions Clip Functions Worksheet

Simplifying Surds	I can simplify surds.	Simplifying Surds Clip Simplifying Surds Worksheet
Rationalising Denominators (Surds)	I can rationalize a denominator with surds.	Rationalising Denominators Clip Rationalising Surds Worksheet
Simultaneous Equations (Linear and non-linear)	I can solve simultaneous equations involving linear and non-linear equations.	Simultaneous Equations Clip Simultaneous Equations Worksheet
Sine and Cosine Rule	I can use the sine rule and cosine rule to work out the missing side and angle in a given triangle.	Sine and Cosine Rule Clip Sine & Cosine Rule Worksheet
Quadratic Inequalities	I can solve quadratic inequalities.	Quadratic Inequalities Clip Quadratic Inequalities Worksheet

Enrichment

The following activities have been designed to provide students with the opportunity to participate in activities linked to this subject but are outside of the curriculum requirements; these are activities that are fun and are designed to enhance learning for learning's sake!

NRICH Website: [Think Mathematically & Developing Mathematical Habits of Mind](#)

Think Mathematically

- Exploring, questioning, working systematically, visualising, conjecturing, explaining, generalising, justifying, proving... are all at the heart of mathematical thinking.
- These collections of activities are designed to develop your capacity to work as a mathematician.

Developing Mathematical Habits of Mind

- We learn better when we are curious, resourceful, resilient and collaborative. This is a collection of mathematical activities designed to help you develop these characteristics.

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Comparison of Cells	I can recognize the different cell types and functions of different organelles within cells.	Video Activity followed by a Worksheet
Photosynthesis	I can determine test for starch in relevance to the photosynthesis process.	Video activity followed by a Worksheet
Evolution and Extinction	I can explain the theory of evolution and apply knowledge to interpret evolutionary trees.	Video Activity followed by a Worksheet

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Eukaryotic and Prokaryotic Cells	I can differentiate between prokaryotic and eukaryotic cells.	Video Activity followed by a Worksheet
Limiting Factors in Photosynthesis investigation	I can investigate the limiting factors of photosynthesis and interpret the graphs.	Video Activity followed by a Worksheet
Genetic Engineering	I can describe what is genetic engineering and evaluate its use in agriculture and medicine.	Video Activity followed by a Worksheet (Part 1) Video Activity followed by a Worksheet (Part 2)

Enrichment

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- Add activities here.
 - [Lets explore steps involved in testing drugs Part-1](#)
 - [Part-2](#)

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Atomic structure and periodic table	I can explain the arrangement of electrons in an atom.	VIDEO ACTIVITY AND WORKSHEET
Bonding, structure and properties of matter	I can explain the types of bonding in metals and non-metals.	VIDEO ACTIVITY AND WORKSHEET
Chemical Analysis	I can identify the ions present in a given sample and explain the tests to detect their presence.	VIDEO ACTIVITY AND WORKSHEET

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Stoichiometry	I can carry out calculations, using amount of substance in mol, involving solution volume and concentration, deduce stoichiometric relationships from calculations.	VIDEO ACTIVITY AND WORKSHEET
Electrolysis	I can predict the products of electrolysis given the substance that is being electrolysed.	VIDEO ACTIVITY AND WORKSHEET
Energy Changes	I can draw and interpret the energy profile diagrams.	VIDEO ACTIVITY AND WORKSHEET

Enrichment

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- [ACTIVITY 1](#)
- [ACTIVITY 2](#)

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Electric current	I can calculate charge and current in an electrical circuit	Video Worksheet
Kinetic energy	I can calculate kinetic energy from the given example	Video Worksheet
Atomic structure	I can explain how internal structure of an atom changes to make isotope or an ion	Video Worksheet

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Momentum	I can Calculate momentum in different situations	Video Worksheet
Motor Effect	I can use Fleming’s left hand rule to predict the direction of force	Video Worksheet
Particle model	I can calculate Specific heat capacity and Specific Latent heat	Video Worksheet

Enrichment

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- [Learning projectile motion](#)
- [Math skills in Physics](#)

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Securing your Learning:

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Topic	Curriculum Expectation Success Criteria	Activities
القراءة	أن يحلل المتعلم النصوص الأدبية تحليلاً أدبيًا وفكريًا محددًا السمات الفنية للنص	<p>اقرأ الرواية المرسله " رجال في الشمس " ، ثم اختر النشاط المناسب لك وأجب عنه https://www.bookleaks.com/files/ghassankanafani/12.pdf</p> <p>النشاط الأول: حلل العناصر الفنية للرواية الأدبية "رجال في الشمس"، ثم حدد سمات الشخصيات وتأثيرها على الأحداث حلل أسلوب الكاتب والألفاظ والعبارات التي استخدمها لدعم فكرته حلل النص فكريًا من خلال (تحديد الأفكار الرئيسة والفرعية والأدلة الداعمة لها)</p> <hr/> <p>راجع السمات الفنية للقصة القصيرة من خلال الفيديو Video Link</p> <hr/> <p>راجع طريقة النقد الأدبي للنصوص من خلال الرابط Resource</p> <hr/> <p>النشاط الثاني: عالج لغة النص من خلال تحديد بعض الكلمات الصعبة وتحليلها لغويًا بتحديد المعنى والمضاد ونوع الكلمة والجذر اللغوي والمشتقات من الجذر الواحد حدد الفكرة الرئيسة في النص، وهل تتفق مع الكاتب فيها أم لا؟ ولماذا؟</p> <hr/> <p>راجع تحديد الفكرة الرئيسة في النص Video Link</p> <hr/> <p>النشاط الثالث: انقد الرواية الأدبية "رجال في الشمس" موظفًا أدوات النقد والتحليل التي تعلمتها، وموضحًا دور الشخصيات والأحداث في دعم الفكرة</p>
التحليل	أن ينقد المتعلم النصوص الأدبية من خلال أدوات النقد والتحليل التي تعلمها	
النقد	أن يحدد المتعلم الفكر الرئيسة والجزئية في النص، مستدلًا بالتفاصيل الداعمة لكل فكرة	

<p>الكتابة</p>	<p>أن يكتب المتعلم استجابات شخصية على النصوص الأدبية التي درسها أو قرأها، مراعيًا عناصرها الفنية</p> <p>أن يكتب المتعلم رأيه النقدي حول نصوص أدبية درسها أو قرأها</p>	<p>النشاط الأول:</p> <p>اكتب استجابتك الشخصية على أحد النصوص الأدبية التي درستها خلال العام الدراسي الحالي، مراعيًا التحليل الأدبي والفكري، وموظفًا علامات التقييم بشكل صحيح</p> <hr/> <p>راجع عناصر الاستجابة الأدبية من خلال الرابط</p> <p>Video Link</p> <hr/> <p>يمكنك مراجعة تحليل النصوص الأدبية من خلال الرابط</p> <p>Resource</p> <p>النشاط الثاني:</p> <p>انقد أسلوب الكاتب في أحد النصوص الأدبية التي تعلمتها خلال العام الدراسي الحالي، ثم ابد رأيك حول دعم أفكار النص من عدمه.</p>
<p>الكتابة</p>	<p>أن يكتب المتعلم نصوصًا وصفية لشخصيات وأماكن، مراعيًا جوانب الوصف المختلفة</p>	<p>اكتب نصًا وصفيًا لإحدى الشخصيات التي تأثرت بها في حياتك، مراعيًا الوصف الداخلي والخارجي للشخصية، وموظفًا علامات التقييم والتصاوير البلاغية بشكل مناسب</p> <hr/> <p>راجع خصائص النص الوصفي من خلال الرابط</p> <p>Resource</p> <hr/> <p>: نموذج لمحاكاة وصف الشخصية</p> 
<p>القواعد النحوية</p>	<p>أن يعرب المتعلم الجملة الاسمية والفعلية إعرابًا صحيحًا مستندًا على ما تعلمه من علامات إعراب أصلية وفرعية</p> <p>أن يوظف المتعلم القواعد النحوية التي تعلمها في مواقف حياتية</p>	<p>راجع علامات الإعراب الأصلية والفرعية وإعراب الجملة الاسمية والفعلية</p> <p>Resource</p> <p>النشاط الأول: صوّب الأخطاء النحوية فيما يأتي , مع بيان السبب :</p> <p>المعلمون مخلصان إنّ أبيك رجل كريم وصل المسافرين بعد عناء مررت على القادمون من الحج سلمت على أباك أحمد الكتاب ليوسف</p>

النشاط الثاني: أعرّب ما تحته خط فيما يأتي

" قال تعالى: " إِنَّ أَبَانَا لَفِي ضَلَالٍ مُّبِينٍ

ذَهَبَتْ إِلَى بَغْدَادِ

قال تعالى: " إِنَّ لِلْمُتَّقِينَ مَفَازًا

" قال تعالى: " وَالْوَالِدَاتُ يُرْضِعْنَ أَوْلَادَهُنَّ حَوْلَيْنِ كَامِلَيْنِ

العاملون ماهرون

النشاط الثالث: وظف صبيغ المبالغة في سرد حدث من حياتك

العامّة، مراعيًا بنية النص السردية، وسلامة اللغة

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Marriage in Islam	<ul style="list-style-type: none"> I can deduce how Islam views relationship between opposite genders. I can deduce the reason behind the Islamic legislation in this regard. I can deduce the outcomes from following Islam in this regard. 	<ol style="list-style-type: none"> Read the below book titled “Fiqh of Love in the light of Quran and Sunnah” and summarize the main points in a booklet. https://www.allahsword.com/ebooks/Marriage/Fiqh%20of%20Marriage.pdf Complete the course titled “THE ETIQUETTES OF MARRIAGE AND WEDDING”, and submit the certificate to your teacher. https://academy.seekersguidance.org/enrol/index.php?id=154
Jihad in Islam	<ul style="list-style-type: none"> I can infer the meaning of Jihad to Muslims. I can infer on the different types of Jihad. I can deduce the importance of Jihad Al-Nafs. 	<ol style="list-style-type: none"> Read and summarize the below article titled “Jihad Al-Nafs”. https://muslimmatters.org/wp-content/uploads/2007/11/nafs.pdf Complete the course titled “What is Jihad”, and submit the certificate to your teacher. https://www.coursera.org/lecture/911-attack/what-is-jihad-ZkPWG
Obedience to the Ruler	<ul style="list-style-type: none"> I can describe what obedience to the ruler means. I can infer the juridical ruling of obeying rulers from the Islamic perspective. I can deduce some of the benefits of obeying rulers. 	<ol style="list-style-type: none"> Read “The rise of Islamic empires and states” and write your reflection on how obeying rulers has led Muslims to lead the world. https://www.khanacademy.org/humanities/world-history/medieval-times/spread-of-islam/a/the-rise-of-islamic-empires-and-states Read the historical background about the founders of Union in UAE and write your reflection on how following their wise planning has led to the supremacy of UAE. https://u.ae/en/about-the-uae/founders-of-the-union Design a poster in which you present your view of the importance of following our leaders and support them.
Prophet’s Methodology of Dawah	<ul style="list-style-type: none"> I can deduce the hardships that the prophet had to face in calling people to Islam, and his methodology in calling people to Islam. I can deduce the importance of depending on Allah and believing in His promises. 	<ol style="list-style-type: none"> Read the below book and summarize the main points in your own words “INTRODUCTION TO DA’WAH”. https://d1.islamhouse.com/data/en/ih_books/single/en_Dawah.pdf Complete the assigned course and summarize the learning outcomes and submit a certificate of completion to your teacher. https://islamhouse.com/en/books/339167/ Infer the role of mosques as a form of calling all people to do good and how mosques provide societies with countless social services. https://tinyurl.com/xbv9vab3 Shoot an educational video highlighting the importance and the methodology of the Prophet (PBUH) in Da’wah.

Recording Sunnah	<ul style="list-style-type: none"> I can define what is meant by sunnah of the prophet. I can deduce types of Sunnah. I can explain the relationship between Quran and Sunnah. 	<ol style="list-style-type: none"> Read the below book: “Stages of Recording Hadith and Evolution of Hadith Sciences” and summarize what you have learned and your prior knowledge in a new booklet. https://aboutislam.net/shariah/hadith/hadith-methodology/stages-of-recording-hadith/ Complete the assigned course and recommend it to one of your classmates. https://mahadsunnah.com/all-courses/ Conduct a study about the importance of Sunnah in our lives and the efforts Muslim scholars made to preserve it.
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Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Stages of the Collection of the Qur’an	<ul style="list-style-type: none"> I can describe the importance of preserving the Holy Quran. I can explain the different ways used by companions and Muslim scholars to preserve the Holy Quran. I can elaborate on the different stages of collecting the Quran. 	<ol style="list-style-type: none"> Read the below book titled “The Preservation of the Holy Qur’an as a source of See rah: A Critical Analysis of Robert Spencer’s Views on the Holy Qur’an” and summarize the main points in a booklet. https://tinyurl.com/rnfpx78d Design a chart in which you present the stages of collecting Quran. Shoot a video in which you explain to others how Quran was preserved intact from the first moment of its revelation.
Mind in Islam	<ul style="list-style-type: none"> I can deduce the importance of mind the blessings of thinking in Islam. I can explain the benefits of positive mind-set especially during the COVID-19 Crisis. I can describe the role of mind in fulfilling Allah’s obligations. 	<ol style="list-style-type: none"> Read the below book titled: “an Islamic perspective on the protection of the mind and attainment of happiness”, and infer the importance of Mind in the Islamic prospective: https://www.iesoc.com/wp-content/uploads/2017/03/JESOC-31.pdf Join “What is a Mind? University of Cape Town” Course and submit the certificate to your teacher. https://www.classcentral.com/course/what-is-a-mind-3314 Use the attached two websites and provide Ayahs and Ahadiths that talk about the virtues of Mind in Islam. https://quranacademy.io/reader/ https://sunnah.com/ Shoot an educational video in which you educate people about the concept of Mind in Islamic Philosophy.
Chastity	<ul style="list-style-type: none"> I can explain the meaning of chastity and how it effects our spiritual health. I can prove that being modest increases out faith. I can suggest some ways to achieve chastity. 	<ol style="list-style-type: none"> Read “Chastity and Modesty Observance and Their Impacts on the Human Spiritual Development in Quran and the New Testament; A Comparative Study” and write your reflection and whether you agree and disagree with supporting your opinion with evidence. https://tinyurl.com/nsdjfnfb Conduct a survey in which you measure the need to stick to Chastity in Modern World. Design a poster educating people about the importance of chastity in today’s world.
Endowments:	<ul style="list-style-type: none"> I can describe the benefits of endowments for individual and society. 	<ol style="list-style-type: none"> Read and summarize the below book in your own words: “The Role of Islamic Institution in Achieving Equality and Human Development: Waqf or Endowment”. https://tinyurl.com/4pdf5ss

	<ul style="list-style-type: none"> • I can explain the endowments can lead to the wellbeing of societies. • I can exemplify the types of endowments. 	<ol style="list-style-type: none"> 2. Complete the assigned course and summarize the learning outcomes and submit a certificate of competition to your teacher. https://waqfacademy.org/free-course-introduction-to-waqf/ 3. Infer the role of mosques as a form of Endowments and how mosques provide societies with countless social services. https://tinyurl.com/xbv9vab3
Human Development in Islam	<ul style="list-style-type: none"> • I can infer the importance & status of human Development in Islam. • I can point out the necessary requirements for better development of human beings. 	<ol style="list-style-type: none"> 1. Read the below book “An Islamic Prospective on Human Development”, and summarize what you have learned and your prior knowledge in a new booklet. https://tinyurl.com/t8c74aww 2. Complete the assigned course, recommend it to one of your classmates, and share what you both have learned. https://www.mooc-list.com/course/learning-knowledge-and-human-development-coursera 3. Conduct a study about the Islamic Perception of Human Development and how Islam encourages all people to live a healthy, spiritual life. You have to cite Quran Ayahs and Ahadiths to support your arguments. https://quranacademy.io/reader/ https://sunnah.com/

Enrichment

The following activities have been designed to provide students with the opportunity to participate in activities linked to this subject but are outside of the curriculum requirements; these are activities that are fun and are designed to enhance learning for learning’s sake!

- A well-organized course on Islamic teachings and etiquettes:
 - <https://free-islamic-course.org/online-islamic-course>
- Click the below links to learn more in a fun way:
 - <https://muslimdolls.com/t/islamic-games>
 - <http://www.islamicplayground.com/Scripts/default.asp>
 - <http://www.islamicplayland.com/>
 - <https://www.learningroots.com/collections/games>
 - <https://www.islamicbookstore.com/boardgames.html>
 - https://www.islamicvision.co.uk/index.php?route=product/category&path=78_81

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Topic	Curriculum Expectation Success Criteria	Activities
Computer Systems	I can understand Hardware and Software of Computer System.	Revise and take test
Boolean Logic	I can understand Boolean logic and binary system.	Revise and Take Test
Number Conversion	I can understand and convert various number system (Decimal – Binary and Hexadecimal)	Study 1 Study 2 Study 3 Study 4 Take Test
Logic Gates and Circuits	I can understand and convert various number system (Decimal – Binary and Hexadecimal)	Study 1 Study 2 Study 3 Study 4 Take Test
Building blocks of Algorithms	I can explain and use building blocks of algorithm in programming.	Revise Take test
Basics of Python	I can write basic python programming	Register and practice Learn Offline

Deepening your Learning

The activities below have been designed to enhance your learning from this year. If your current working level is Grade 6 or above, you should aim to complete these activities to stretch you further; if your current working level is between Grade 1 and Grade 5, you might choose to complete some of the activities below once you have completed all of the ‘Securing your learning’ tasks.

Topic	Working Above Expectation Success Criteria	Activities
Computer Architecture	I can understand and explain working of internal components of a computer.	Revise Complete the assignment on GCSE POD on COMPUTER SYSTEMS

Programming Basics	I can and understand write Basic Programming Techniques.	Programming basics 1 , Programming basics 2 , Programming basics 3 , Programming basics 4 , Programming basics 5 , Programming basics 6 , Programming basics 7 , Programming basics 8 , Programming basics 9 ,
Advance Programming	I can write Programs using advance programming functions	Advance Programming 1 , Advance Programming 2 , Advance Programming 3 , Advance Programming 4 ,
Understanding Subroutines and Functions	I can write programs using Subroutines and Functions.	Subroutines and functions 1 Subroutines and functions 2
Computer Networks	I can understand different Communication and Internet Technologies.	Computer Networks 1 Computer Networks 2 Computer Networks 3
Security	I can understand explain various security threats in Computer Systems.	Watch Videos of each section (Lesson 1 to 7) and complete Quiz in each Section Security

Enrichment

The following activities have been designed to provide students with the opportunity to participate in activities linked to this subject but are outside of the curriculum requirements; these are activities that are fun and are designed to enhance learning for learning's sake!

- CS50's Introduction to Computer Science course from Harvard University
- An introduction to the intellectual enterprises of computer science and the art of programming.
- <https://www.edx.org/course/introduction-computer-science-harvardx-cs50x>
- Learn to build Video Games using Python
- <https://www.freecodecamp.org/news/learn-python-by-building-5-games/>
- Learn to Website designing for free which will help you to understand Basics of Web development and Coding Specialization
- <https://www.coursera.org/specializations/web-design>

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Securing your Learning

If your current working level in this subject is between Grade 1 and Grade 5, you should complete the activities as described in the table below. If your current working level is Grade 6 or better, you should identify topics from the table you feel less confident about and complete the relevant activities.

Topic	Curriculum Expectation Success Criteria	Activities
Storage Devices	I can discuss different types of storage media.	Revise and take test https://www.bbc.co.uk/bitesize/guides/z7rk7ty/revision/1 Watch the pods: https://members.gcsepod.com/shared/podcasts/chapter/75454
Networks	I can identify different types of network.	Revise and take test https://www.bbc.co.uk/bitesize/guides/z36nb9q/revision/1 Watch the pods https://members.gcsepod.com/shared/podcasts/chapter/75502 https://members.gcsepod.com/shared/podcasts/chapter/75495
Data Validation & Verification	I can identify and explain different types of validation checks	Revise and take test https://www.bbc.co.uk/bitesize/guides/zdvr2p/revision/1
Hardware and Software	I can discuss different types of user interface.	Revise and take test https://www.bbc.co.uk/bitesize/guides/zwb4jxs/revision/1 Watch the pods: https://members.gcsepod.com/shared/podcasts/chapter/75486
Input, Processing and Output Devices	I can identify different types of input, processing and output devices.	Revise and take test https://www.bbc.co.uk/bitesize/guides/zqg9q6f/revision/2

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Data Analysis (MS. EXCEL)	I can apply different formula and functions in Excel.	Use the given self-study workbook to practice tasks. Files are also provided in the same link. Scroll down to Section 14 https://www.ictlounge.com/html/igcse_practical_workbooks.htm#workbooks
Data Manipulation (MS. Access)	I can create advanced reports in Access.	Watch the tutorial and complete the activity https://edu.gcfglobal.org/en/access2013/advanced-report-options/1/

Storage Devices and Media	I can compare optical and magnetic storage devices.	https://classroom.thenational.academy/lessons/optical-and-magnetic-storage-6ww66d
Expert Systems	I can discuss the advantages and disadvantages of an expert system.	https://www.ictlounge.com/html/expert_systems.htm

Enrichment

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- Make an impact through coding, collaboration, and competition. Innovate with passion to tackle global issues and bring your idea to life in the Imagine Cup.
<https://imaginecup.microsoft.com/en-us/Events>
- Get an introduction to the types of space exploration problems that Python and data science can influence.
<https://docs.microsoft.com/en-us/learn/modules/introduction-python-nasa/>

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Grammar	I can use perfect tense.	https://www.francaisfacile.com/cours_francais/passe-compose
Grammar	I can use present tense.	https://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-36687.php
Reading	I can understand a paragraph and answer question about it.	https://lingua.com/french/reading/
Listening	I can understand most of an audio file.	https://lingua.com/french/listening/
Writing	I can write a paragraph of 140 words.	https://www.youtube.com/watch?v=MIcf_2FmXbo

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Grammar	I can use conditional.	Grammar activity
Grammar	I can use subjunctive.	Grammar activity
Exam	Practise paper	Practise paper

Enrichment

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Students can enjoy French movies at Alliance Francaise Oud Metha, they can also enjoy “Arsen Lupin” and “Mixte” two French series on Amazon Prime and Netflix.

<https://www.afdubai.org/cineclub>

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Securing your Learning

If your current working level in this subject is between Grade 1 and Grade 5, you should complete the activities as described in the table below. If your current working level is Grade 6 or better, you should identify topics from the table you feel less confident about and complete the relevant activities.

Topic	Curriculum Expectation Success Criteria	Activities
Information Literacy	<ul style="list-style-type: none"> I can clearly define information literacy. I can interpret diagram of the link of information literacy to other types of literacy. 	Information Literacy
Choosing a topic for a Report/Research	<ul style="list-style-type: none"> I can outline steps in choosing a topic. I can ask questions as self-guide in choosing a topic. 	Choosing a topic for a Report/Research
Selecting Sources	<ul style="list-style-type: none"> I can describe good quality sources. I can explain uses of sources in reports writing I can evaluate quality of sources. 	Selecting Sources
Arguments	<ul style="list-style-type: none"> I can describe structure of arguments. I can outline steps in evaluating arguments. 	Arguments
Evidence	<ul style="list-style-type: none"> I can define relevant terms such as evidence of an argument, contributing argument, counter argument. I can ask question to evaluate evidence of an argument. 	Evidence

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Teamwork	<ul style="list-style-type: none"> I can explain characteristics of a Good Team I can discuss role of an effective leader in maintaining a good team. 	Teamwork
Leadership	<ul style="list-style-type: none"> I can explain theories on leadership. I can discuss effective leadership. 	Leadership skills
Synthesis Writing	<ul style="list-style-type: none"> I can explain the structure of synthesis writing. I can synthesise information effectively from different sources. 	Synthesis Writing
Internet Sources	<ul style="list-style-type: none"> I can explain criteria in assessing internet sources. I can critically assess internet sources. 	Internet Sources
Courses of Action	<ul style="list-style-type: none"> I can explain criteria in assessing effectiveness of solution. I can discuss complexity of solving problems. 	Courses of Action
Delivering Presentations	<ul style="list-style-type: none"> I can explain factors impacting quality of presentations. I can reflect on my presentation skills. 	Delivering Presentations

Enrichment

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Read: The Art of Thinking Clearly by [Rolf Dobelli](#)

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If your current working level in this subject is between Grade 1 and Grade 5, you should complete the activities as described in the table below. If your current working level is Grade 6 or better, you should identify topics from the table you feel less confident about and complete the relevant activities.

Topic	Curriculum Expectation Success Criteria	Activities
Positivist and interpretivist approaches to research method	I can describe validity and reliability of positivist and interpretivist approach to research methods.	https://www.youtube.com/watch?v=4ZuZ1nrS2TM
Structuralists and Interpretivists approach to study sociology.	I can evaluate the different approaches of Sociological study	https://www.youtube.com/watch?v=EnCvYJlpcX0
Conflict and Consensus theories.	I can evaluate how conflict and consensus theories create alternative sociological perspectives.	https://www.youtube.com/watch?v=GA-1wFB4TuY
Correlation and causation to understand relationship between two variables.	I can explain the difference between correlation and causation	https://www.youtube.com/watch?v=ROpbdO-gRUo
main steps in implementing the research strategies.	I can evaluate the importance of pilot studies and sampling.	https://www.youtube.com/watch?v=-X3YKg-rBCM

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Positivist and interpretivist approaches to research method	I can differentiate positivist and interpretivist approach to research methods.	https://www.youtube.com/watch?v=QwhK-iEyXYA&t=21s
Structuralists and Interpretivists approach to study sociology.	I can differentiate between structuralism and Interpretivism	https://www.youtube.com/watch?v=ZlwyNIIdgJBE
Conflict and Consensus theories.	I can differentiate Functionalists, Marxists and Feminists perspectives	https://www.youtube.com/watch?v=-83vVeSC2_g

Correlation and causation to understand relationship between two variables.	I can describe how correlation can indicate the relationship between two variables	https://www.youtube.com/watch?v=GtV-VYdNt_g
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main steps in implementing the research strategies.	explain hypothesis setting and revision	https://www.youtube.com/watch?v=sWvg5y045Y Q
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Enrichment

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- <https://www.youtube.com/watch?v=HDCeRyp-BtQ&t=5s>
- <https://www.youtube.com/watch?v=BxV0zGVDXKo&t=9s>

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Travel & Tourism Summer Learning Guide

Securing your Learning

If your current working level in this subject is between Grade 1 and Grade 5, you should complete the activities as described in the table below. If your current working level is Grade 6 or better, you should identify topics from the table you feel less confident about and complete the relevant activities.

Topic	Curriculum Expectation Success Criteria	Activities
Socio-cultural Impacts of Tourism	I can analyse the various socio-cultural impacts of Tourism on the host communities.	Socio-cultural Impacts of Tourism
5 P's of Marketing and Promotion	I can examine the significance of the 5 P's in Marketing and Promotion	5 P's of Marketing and Promotion
Pricing Strategies in Tourism	I can explain the use of pricing strategies in the Tourism Industry.	Pricing Strategies in Tourism
Effective Promotional Techniques	I can assess the effectiveness of promotional techniques	Effective Promotional Techniques
Types of Research	I can explain the significance of primary and secondary research in Tourism.	Types of Research

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
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Marketing and Promotion	I can explain the main components of Marketing and Promotion in T&T Industry.	Marketing and Promotion
Market Segmentation	I can describe the 4 main types of market segmentations in T&T.	Market Segmentation
Swot Analysis	I can explain the use of a SWOT analysis in T&T.	Swot Analysis
Pest Analysis	I can explain the importance of the Pest Analysis in T&T.	Pest Analysis
Product Development	I can explain the procedures of product development in T&T.	Product Development
Product Life Cycle	I can describe the stages of development of a destination using the Product Life Cycle.	Product Life Cycle

Enrichment

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- <https://www.unwto.org/>

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Environments	I can choose my own project theme.	Large scale study - A2 size
Choice of Theme	I can analyse the various themes and choose accordingly.	Take a series of 10 photographs based upon your topic/theme, present effectively onto a board and annotate your reasons for the choices. Use these images to generate further drawings from that you will use in your experiments later.
Analytical Drawings	I can complete my analytical drawings.	Complete a series of quick sketches to fill to A4 pages, with notes based upon your photographs.
Mixed Media	I can use mixed media to create project drawings.	Using one of your recent drawings: - Use one of the following art materials Watercolour Pencil, Watercolours, Cross Hatching in Black Biro, Charcoal, Chalk or Oil Pastel.
Artist Research	I can choose and research my choice of artists.	Research your third/fourth artist. Basic Info, compare to other artists you chose. Why you like them, what techniques and processes will you use in your work and how.

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Focused Experiments	I can use range of different media, respond to your chosen artist's style.	Using a range of different media, respond to your chosen artists style by completing one of your drawings using their methods and materials.
Experimental Study	I can combine two of the styles as a series of small experiments.	Using your first and second or third choice artists, combine two of the styles as a series of small experiments A5-A4.
Intro Annotations	I can complete the introduction and main body of your 3000 word supporting annotations.	Complete the introduction and main body of your 3000 word supporting annotations. Use the structure in this folder to help. 1st draft.
Annotations	I can annotate all boards and finalise ideas for completion piece.	Annotate all boards and finalise ideas for completion piece. Produce at least one of the following - Sketches, paintings/models, experiments.

Enrichment

The following activities have been designed to provide students with the opportunity to participate in activities linked to this subject but are outside of the curriculum requirements; these are activities that are fun and are designed to enhance learning for learning's sake!

Deepening your Learning you could visit the following:

- **The Louvre Museum** in Abu Dhabi & Immerse Yourself with Rich and Diverse Experiences.
- **Radisson RED** in Dubai Silicon Oasis (which already has a strong focus on promoting local art) has launched two new summer art exhibitions. Throughout June and July, you can check out the works of Ji-Hye and her nature-inspired linocut and printmaking pieces while Dubai-based self-taught artist Cathy Nunez will be showcasing her striking caricatures, cartoons, calligraphy, and murals throughout July.
- **The Foundry** Downtown Dubai's newest (and coolest) community art space is hosting an eclectic series of solo art exhibitions featuring four progressive artists. You can admire striking pieces from the UAE's Hashel Al Lamki, and Kico Camacho (presented by Art Korero) until Sunday July 25 while the works of Maxime Cramatte and Fink 22 will be on display until Wednesday August 25.
- **Eternally Pop** at **Oblong Contemporary Art Gallery**. Eternally Pop, features the work of Italian French artist Serero Pop Art. Inspired by the father of pop art himself (Andy Warhol), the digital reworkings aim to “shed a new light on famous people of the past, but also of the present, making them become kings and queens”. Expect to see a few familiar faces including Batman, Michael Jackson, Salvador Dalí, and The Beatles. Free. Open Wed-Mon 2pm-9pm. Until Sun Aug 1. Bluewater's Dubai.
- **Nasr Warour** at **XVA Gallery**. The Syrian-born, UAE-based artist will be showcasing various works including paintings, sculptures, and photographs through this specially curated solo exhibition, entitled 21st SUMMER. Open daily 10am-6pm. Mon Jun 21-Wed Jun 21. Al Fahidi Historical Neighbourhood, Bur Dubai.
- **Sedimentary Matters** at **Grey Noise** The minimalist gallery is showcasing the works of Lebanese artist Caline Aoun through her latest exhibition, Sedimentary Matters. Addressing “the changeability and the undercurrents of the hidden material and physical world”. Open Sat & Mon-Thu 11am-7pm. Until Sat Jul 31. Alserkal Avenue, Al Quoz.

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Business Ownership	<ul style="list-style-type: none"> I can compare features of different forms of ownership 	Business Ownership
Aims and Objectives.	<ul style="list-style-type: none"> I can explain why business objectives change as business grows. 	Aims and Objectives.
Business Planning	<ul style="list-style-type: none"> I can analyse the importance of having a good Business Plan. 	Business Planning
Stakeholders	<ul style="list-style-type: none"> I can explain interests of different stakeholder groups. 	Stakeholders
Business Location	<ul style="list-style-type: none"> I can explain several factors that influence the location decision of any given business. 	Business Location
Expanding a Business	<ul style="list-style-type: none"> I can explain the impact of growth on different business functions. 	Expanding a Business
Customer wants and needs.	<ul style="list-style-type: none"> I can differentiate between wants and needs. 	Customer wants and needs.
Market Segmentation	<ul style="list-style-type: none"> I can explain diverse ways in which a market could be segmented. 	Market Segmentation
Market Research	<ul style="list-style-type: none"> I can explain the importance of Market Research. 	Market Research
Product Life Cycle	<ul style="list-style-type: none"> I can explain how marketing mix changes as a product moves along the product life cycle. 	Product Life Cycle

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Marketing Mix Product	<ul style="list-style-type: none"> I can understand the importance of packaging. I can analyse how packaging can be used as a marketing tool. I can compare changes that have taken place to enhance consumer experience. 	<p>Take a Timeline of 10 – 15 years. Track the changes witnessed in packaging and economic impact over the last few years in relation to products like fruits and vegetables, plastic/wooden furniture, milk, reuse of packages, packages as a means of advertisement, etc.</p> <p>Click here for Video 1 Click here for Video 2 Click here for Video 3</p>

<p style="text-align: center;">Stock Exchange</p>	<ul style="list-style-type: none"> • I can understand the concept of market capitalisation. • I can analyse influences on share price and the significance of share price changes. • I can Calculate Market capitalisation. 	<p>Prepare a hypothetical portfolio with a sum of US \$ 50,000 in any 5 top companies listed in the New York Exchange over a period of 20 working days. Identify the reasons for fluctuations in prices, for example, change of seasons, strikes and accidents, political environment, the spread of an epidemic, international events, etc.</p> <p>Find the value of your investments at the end of 20-day period. Have you made a gain? If not, what could you have done differently?</p> <p style="text-align: center;"> Click Here for Video 1 Click here for Video 2 </p>
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Enrichment

The following activities have been designed to provide students with the opportunity to participate in activities linked to this subject but are outside of the curriculum requirements; these are activities that are fun and are designed to enhance learning for learning's sake!

- Reading "**SHOE DOG**", a book by Phill Knight the owner of NIKE. **SHOE DOG** provides an unvarnished story of how Phil Knight started Nike and turned it into a £30 billion global company.
- Reading "**How Obsessive Leaders Achieve the Extraordinary**". What makes great leaders like Jeff Bezos and Elon Musk extraordinary? This book shows leaders and aspiring leaders how obsession can fuel the most incredible success. Advances in any endeavour almost always depend on a small group of individuals who are completely consumed by the goal they're pursuing. When these leaders and their teams are successful, everyone benefits from their singular focus and relentless drive.
- Make a virtual Scrap Book. Go into almost any supermarket and you are likely to find products made by **Proctor & Gamble** and **Unilever**. Both companies have a huge variety of product categories. Collect as many images as possible of products that are manufactured by Unilever and Proctor & Gamble. Then comment which do you think is bigger of the two.
- Watch **The Founder**, we learn the incredible true story of struggling salesman Ray Kroc, whose fateful encounter with the McDonald brothers changed his life -- and the way we eat food in America.
- Watch **The Wall Street**. A Classic. It unravels a story through the eyes of Bud Fox, an ambitious stockbroker who navigates the economic rollercoaster of Wall Street, adopting the "greed is good" mantra. This movie is a window into corporate finance, portfolio management, investment law principles and capital markets.

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Demand, Supply	I can explain concepts of Demand and Supply.	Demand and Supply
Market equilibrium	I can explain how market equilibrium is determined.	Market equilibrium
PED	I can explain price elasticity of demand.	PED
PES	I can explain price elasticity of supply.	PES
Unemployment	I can explore different types of Unemployment.	Unemployment

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Exchange Rates	I can evaluate how Exchange Rates function.	Exchange Rates
Demand Side Policies	I can analyse Demand Side policies.	Fiscal Policy Monetary Policy
Supply side Policies	I can analyse Supply Side Policies.	Supply side policy
Labour markets	I can assess the functioning of Labour Markets.	Labour markets
Externalities	I can evaluate what are externalities.	Externalities
Market Structure	I can analyse features of Perfect Competition and Monopoly.	Perfect competition Monopoly

Enrichment

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- Watch this video to understand about Paradox of Thrift.
<https://www.britannica.com/video/186394/thrift-paradox-Keynesian-economics>
- Watch this video to evaluate the psychology of economic bubbles and its impact on ordinary people
<https://www.britannica.com/video/186509/discussion-psychology-market-bubbles>
- An interesting site to explore what everyone should know about health and prosperity.
<https://commonsenseeconomics.com/games-activities-2/>

- Explore some unsolved questions in Economics.
<https://www.thoughtco.com/unsolved-economics-problems-on-wikipedia-1148177>
- Read the book **The Undercover Economist by Tim Harford**. This is a book which shows you that economics plays a massive part in every section of your life, and how knowing about the economics behind these everyday things can help you understand the world slightly better.

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Securing your Learning

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Topic	Curriculum Expectation Success Criteria	Activities
Football	I can choose and implement a range of strategies to attack and defend.	Defence
Athletics	I can perform a smooth clearance off the starting blocks and accelerate to a maximum velocity in a short time.	Acceleration
Skeleton and muscle	I can location and function of the bones. I can location and identify role of the muscle.	Skeletal and Muscular System
Respiratory system	I can identify pathway of air into the body.	Pathway of Air
Circulatory system	I can explain heart structure and its function.	Heart
Biomechanics	I can explain the concepts of force, mass and acceleration.	Biomechanics

Deepening your Learning

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Topic	Working Above Expectation Success Criteria	Activities
Football	I can recognize and describe good individual and team performances.	Analysis
Athletics	I can build up my endurance to run at a constant pace with a distance between 1000m to 1500m.	Endurance
Skeleton and muscle	I can identify function of skeleton system and muscle.	Skeletal & Muscular System
Respiratory system	I can describe gas exchange in human body.	Gas Exchange
Circulatory system	I can analyse effect of exercise on heart.	Circulatory system

Biomechanics	I can identify and draw the three classes of levers.	Levers
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Enrichment

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- [20 MINUTE FULL BODY WORKOUT\(NO EQUIPMENT\)](#)
- <https://members.gcsepod.com/shared/podcasts/title/12403>

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