MOOR PARK HIGH SCHOOL AND SIXTH FORM: CURRICULUM

Key Stage 3 Long Term Planning

Year 7 SYLLABUS: Computer Science

Year 7 INTENT: The Year 7 Computer Science curriculum gradually introduces students to key concepts of Computing. In Year 7, our computer science curriculum focuses on three key areas: Computational Thinking, Computer Science, and Digital Literacy. We begin with a transition unit on Baseline / E-Safety, emphasizing safe and legal use of ICT. Students explore digital literacy, including Microsoft Office 365 skills and understanding digital footprints. They also delve into basic image editing using Adobe Photoshop. Computational thinking is a core component, teaching problem-solving skills and practical programming experience. Visual programming using Minecraft for Education introduces coding concepts, and we wrap up with an overview of Artificial Intelligence, discussing real-world applications and ethical considerations. Throughout the year, we encourage active participation, critical thinking, and creativity, preparing students for a digital future while fostering responsible technology use.

Curriculum Area: Art, Performance and Technologies Faculty

Year 7	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Syllabus	**Baseline / E-Safety (Transition Unit)**	**Digital Literacy**	**Photoshop**	**Block Based Programming – Robotics**	**Computational Thinking**	**Artificial Intelligence**
Knowledge	Students will learn about the importance of staying safe online. This unit of work will include the impact of cyber bullying, the importance of setting passwords, how to protect yourself online and the consequences of inappropriate online use.	During this unit, learners develop their understanding of information technology and digital literacy skills	Students will be introduced to Adobe Photoshop and learn how to use basic tools to manipulate a graphic.	Students will use Edison Robotics where they will learn how to program games and activities using blocked code. During this term, students will also be introduced to variables and the different data types that are used in programming.	Students will be introduced to the key aspects of computational thinking which include Abstraction, Pattern Recognition and Decomposition. In addition to this, the pupils will understand what an algorithm is and how the fundamental programming concepts of sequencing, selection and iteration can be implemented.	Students will be introduced into the world of Artificial intelligence and Machine Learning. Additionally, students will have a look at some of the emerging technologies and discover the impact that these will have on our world.
Skills	Students will learn many skills in this unit. As it will be the students first experience in a computing classroom at the school, they will learn how to use and navigate themselves around the computer and the internet. In addition to this, pupils will learn how to use the features of Microsoft Word and Microsoft PowerPoint to display their work and create their assessment piece.	To effectively format a document, utilize basic word processor functions, evaluate formatting techniques, and understand their purpose. Identify essential word processor features and select appropriate software. Demonstrate knowledge of licensing issues, cite image sources, and choose relevant images. Evaluate source reliability, critique digital content, and avoid plagiarism. Lastly, design a blog layout that aligns with your audience.	Students will be able to use Adobe Photoshop in order to create a digital calendar. Students will also develop the ability to edit images and create their own leaflets and brochures. Extension tasks will be available to support students who wish to complete intermediate Adobe Photoshop tasks.	Students will learn many skills whilst programming including sequencing, selection and iteration. Programming using blocked code will help students when it comes to high-level language programming.	Students will build on their digital literacy skills by using PowerPoint to complete work and assessments on. Students will also develop their problem solving and thinking skills and will allow them to understand how best to solve problems.	Students will learn some key theory skills necessary for understanding the simulation and modelling topic for GCSE Computer Science.

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Connections to previous learning	Students will build on any prior knowledge that they have already learnt at primary school on internet safety. Most primary schools teach students basic internet safety as It is a legal requirement and underpins the curriculum requirements in both primary and secondary school. This unit will also embed the qualities of learning that students should have learnt about over the 6-week holidays when reading the 'Go Big' book.	Students will build on any prior knowledge they have learnt during the KS2 Curriculum.	This topic will be new to many students, so students will be provided with guided worksheets to support their learning.	This unit will build on any prior knowledge from primary school of design-based programming. Some schools use scratch and other software including purple mash to introduce students into the coding world.	Students will have used PowerPoint in Autumn Term 2, therefore will be building on the basic skills they already have in this software. Additionally, some of our feeder primary schools teach students how to use Microsoft office products so will be able to recall key skills learnt in primary schools.	Although students may not have learnt about Artificial Intelligence directly, they will be well aware of the advancements of technology during their lifetime and have some understanding of what the future holds.
Assessment	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	Students will create a digital graphic using Adobe Photoshop on their own using the skills they have learnt. Stater tasks will consist of students being required to define specific tools and functions on Adobe Photoshop.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be marked against a rubric using sequencing, selection, iteration and variables.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be assessed on an interactive presentation that they create which focuses on the topics they have learnt. This will also allow them to implement and combine sequencing, selection and iteration with their digital literacy skills.	Point 1: Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. Point 2: Students will also undertake their end of year 9 assessment during this term which will reflect everything taught during this academic year.
Homework	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.
Culture Capital	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a coding and Cyber Security Club.	Students will be invited to attend lunchtime/afterschool clubs which include a coding and Cyber Security Club.	Students will be invited to attend lunchtime/afterschool clubs which include a coding and Cyber Security Club.	Students will be invited to attend lunchtime/afterschool clubs which include a coding and Cyber Security Club.	Students will be invited to attend lunchtime/afterschool clubs which include a coding and Cyber Security Club. Netflix Documentary – Coded Bias

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Numeracy		Numeracy skills will be focused on when inserting data, writing formulas and performing calculations		Numeracy skills will be focused on when dealing with variables, operators and data types.		
Literacy	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.
CEIAG	A guest from the Lancashire National Cyber Security Unit will be invited in to discuss Cyber Crime and what their job entails.	Class discussions. What is the importance of spreadsheets? Why do almost all jobs require this skill? How do police and analysts use data?	Students will explore how small and medium sized tech and marketing businesses use Adobe Photoshop to support their clients.	Where can Computer Programming take you? Discussion on why programming is so important. Why are technology jobs the most in demand? Invite a Games designer in to talk to students.		

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Year 8 INTENT: In Year 8, our computer science curriculum aims to deepen students' understanding of key concepts while fostering practical skills. We begin with System Security and Interfaces, where students explore the importance of system security, including authentication, access control, and encryption. Understanding interfaces, both hardware (e.g., USB, HDMI) and software (e.g., GUIs), is emphasized. Next, we delve into Binary, Denary, Hexadecimal with Addition, where students learn about number systems (binary, denary, and hexadecimal) and practice converting between them. They also perform addition in binary. In the Python Turtle – EduBlocks module, students get an introduction to programming using Python Turtle graphics, creating visual designs and learning basic programming constructs. Image and Sound Representation covers how computers represent images (pixels, colour depth) and sound (sampling, bit rate). Students explore file formats (JPEG, WAV, MP3) and compression techniques. For creativity, we introduce Animation using Blender, where students learn 3D animation principles, including modelling, texturing, and animation. Finally, we touch on Networking, covering basics like protocols (TCP/IP, HTTP) and network topologies, including local area networks (LANs) and wide area networks (WANs). Throughout the year, we encourage problem-solving, creativity, and responsible technology use, preparing students for a digital world and equipping them with essential skills for future studies and careers.

Year 8 SYLLABUS: Computer Science

Curriculum Area: Art, Performance and Technologies Faculty

Year 8	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Syllabus	**System Security and Interfaces**	Binary, Denary, Hexadecimal with Addition	Python Turtle – EduBlocks	**Image and Sound Representation**	**Animation using Blender**	**Networking**
Knowledge	Students will learn about what different cyber-attacks are (phishing, malware, trojan horse and ransomware) along with how to prevent these threats. Students will create an interactive presentation that will be used to educate users how to prevent threats. They will learn skills such as transitions, animations and how to make a presentation interactive.	Students will learn about how data is represented on computers. Students will learn how to read binary numbers and convert them to denary (and vice-versa). Students will also learn how to perform binary calculations including addition and subtraction.	Students will be introduced to the high-level text-based programming language Python. Students will understand how to write syntax language and use data types, operators, variables, sequencing, selection and iteration to construct basic programs. Students will receive a work booklet and help sheets to support and scaffold their learning.	Students will focus on making digital media such as images and sounds and discover how media is stored as binary code. Students will draw on familiar examples of composing images out of individual elements, mix elementary colours to produce new ones, take samples of analogue signals to illustrate these ideas, and then bring all these things together to form one coherent narrative.	students will learn how pros use Blender, the industry-standard software program, to produce 3D animations. Learners will have a better knowledge of how this crucial creative field is used to produce the media goods we consume after completing this unit. Learners will be guided through the fundamentals of modelling, texturing, and animation during sessions; results will include short films and 3D models.	Students will be introduced to computer networking. They will understand what LAN, WAN and PAN networks are and will look at the different network topologies including star topology and bus topology.
Skills	Students will be able to explain how the threats work and how to prevent them. They will go on to learn skills such as transitions, animations and how to make a presentation interactive.	Students will be able to convert Denary to Binary and vice versa. In addition to this, students will perform calculations with binary numbers.	Students will acquire many skills in this unit. They will learn how to use and write programs in a high-level text-based programming language. Students will also learn key programming skills such as logic skills, algorithmic thinking skills and how to identify and rectify errors in code.	Calculate the representation size of a (bitmap) digital image. Students will calculate the representation size of a (PCM-coded) digital sound. They will go on to use software to perform basic image editing tasks and combine them to solve problems.	Students will acquire many skills in this unit, They will learn how to use the basic tools in blender (add/delete/move). They will also move onto the more advanced skills which will support them creating a 3-10 second animation as the end product.	Students will learn how networks work and how we can connect devices to a network.
Connections to previous learning	Students will have a basic understanding of e-safety and certain threats posted to	Students will know what binary is from learning how to program in Year 7	Students will use the programming skills they learnt	This is an important part of the curriculum that students must		This is an important part of the curriculum that students must

	individuals from the E-Safety/transitional unit completed in Year 7.		in year 7 and transfer them to this unit.	have learnt in preparation for their GCSE Options choices.		have learnt in preparation for their GCSE Options choices.
Assessment	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will complete a Microsoft Forms on Cyber Security	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will complete a Microsoft Forms on Binary/Denary Conversions	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will complete a work booklet during this term which will include multiple tasks relating to the content taught. Progress will be measured based on this. *Point 3:* A practical exam that will allow students to demonstrate what they have learnt.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.
Homework	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.
Culture Capital	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school. Cyber First Club will run through in preparation for the competition in Spring Term 1.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school. Cyber First Club will run through in preparation for the competition in Spring Term 1.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school. Cyber First Club will run through in preparation for the competition in Spring Term 1. Cyber First Day at Host (Depending on Arrangements)	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.
Numeracy		Students will be using binary and denary numbers throughout this topic to perform calculations.	Students will be using variables, data types and performing mathematical calculations throughout this topic.			
Literacy	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers.

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CEIAG	Cyber First Club will run through in preparation for the competition in Spring Term 1.	Cyber First Club will run through in preparation for the competition in Spring Term 1.	A guest from the Lancashire National Cyber Security Unit will be invited in to discuss Cyber Crime and what their job entails.		Arrange for an animator to come in and talk about their job role, what skills are required and what their job looks like day to day.	Mr. Cooper/Mr. Leonard will be invited to discuss how the schools network works

MOOR PARK HIGH SCHOOL AND SIXTH FORM: CURRICULUM

Year 9 SYLLABUS: Computer Science

Year 9 INTENT: In Year 9, our computer science curriculum aims to deepen students' understanding of key concepts while fostering practical skills. We cover a range of topics. First, students explore common searching algorithms (such as binary search and linear search) and sorting algorithms (including bubble sort, merge sort, and insertion sort), alongside an introduction to Boolean logic. Next, we engage with physical computing using Raspberry Pi devices, where students learn to program GPIO (General Purpose Input/Output). In the mobile app development module, students explore app design, user interfaces, and basic programming for mobile platforms. We also discuss the societal impact of technology, emphasizing ethical considerations, privacy, and digital citizenship. Understanding computer architecture, components, and system organization is covered, along with an exploration of embedded systems (e.g., microcontrollers). Finally, students work on a creative summer project related to a digital literacy theme, applying skills learned throughout the year. Our goal is to prepare students for a digital future, equipping them with essential skills and fostering a passion for computer science

Curriculum Area: Art, Performance and Technologies Faculty

Year 9	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Syllabus	**Searching and Sorting Algorithms/Boolean Logic**	Physical Computing Programming	**Mobile App Development**	**Impact of Technology**	**Computer System and Embedded Systems**	**Summer Project – Summer**
Knowledge	Students will understand the different types of Searching and Sorting Algorithms. They will understand the various types of Logic Gates, (AND, OR, NOT)	Students will understand a wide range of data manipulation tasks, spanning from accessing individual elements to handling entire sequences. We've carefully curated realistic and engaging programming problems, allowing learners to work with diverse data sets such as solar system planets, book texts, capital cities, leaked passwords, word dictionaries, and ECG data	Students will go through the entire process of creating their own mobile app, using App Lab from code.org. Building on the programming concepts students used in previous units, they will work in pairs to perform user research, design their app, write the code for it, before finally evaluating and publishing it for the students to use.	Pupils will be able to understand the impact of technology on society. They will also be able to explain the legal impact when using technology.	Students will learn how to improve system performance by learning about clock speed, cores and cache. The pupils will also understand the difference between primary and secondary storage and be able to explain what they are used for. We will also look at system software and in particular utility software that will help students understand how to maintain and optimize a computer.	Students will use fundamental skills in terms of digital literacy and bring this all together using a brief relating to a summer festival. Students will learn how to utilize how to use Microsoft Office Packages effectively (Word Processing, PowerPoint and Excel Spreadsheets).
Skills	Students will learn skills that will allow them to understand how to search and sort through data.	Be able to use an IDE to write and execute projects, locate and correct common syntax error, trace through algorithms, Create lists and iteration within a program.	Students will use decomposition to break down the problem into manageable steps. Students will understand how to understand the needs of clients and reflect and react to user feedback.	Pupils will be able recommend how to become more energy efficient when using a computer. They will also be able to explain the ethical, moral and legal issues on society	The students will learn key skills that will allow them to perform maintenance on their own devices and optimize the performance of their devices.	Students will learn how to effectively use Word, PowerPoint, and Excel, as well as how to apply these skills in a project context. These skills will prepare them for future employment and further studies
Connections to previous learning	. This is an important part of the curriculum that students must have learnt in preparation for their GCSE Options choices.	Students are already able to write Python programs that display messages, receive keyboard input, use simple arithmetic expressions, and control the flow of program	Students have learnt about computational thinking in Year 7, they will be able to apply decomposition and abstraction to this project.	Students will have some prior knowledge of the impact and issues of technology; this will be briefly covered in Y7 e-safety and Y9 computers. Students may also hear	. This is an important part of the curriculum that students must have learnt in preparation for their GCSE Options choices.	This is an important part of the national curriculum and provides students with skills that are needed for their future.

		execution through selection and iteration structures.		about the impact of technology in the news.		
Assessment	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.	*Point 1:* Students will complete regular formative assessments at the end of each lesson. This will be in the form of interactive quizzes, exit tickets and quick questioning. In line with PLC's. *Point 2:* Students will be given an online assessment to complete and check their understanding of this topic.

Homework	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.	Homework will involve creative consolidation tasks and independent research tasks. Homework will be provided as per the homework rotation.
Culture Capital	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school. Opportunity to perform real life maintenance on a computer.	Students will be invited to attend lunchtime/afterschool clubs which include a code club after school.
Numeracy		Students will be using variables, data types and performing mathematical calculations throughout this topic.				

Literacy	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.	Key words will be displayed and used throughout the lessons. Students will focus on their literacy skills when completing written work on the computers These will be highlighted on the PLC and on the presentation. Guided Reading activities will also take place during the topic as well during Do Now or the Activate section of the lesson.
CEIAG			Try and arrange a careers talk from an App Developer.		Discussion with the school's ICT technician. Why is understanding computer architecture important and what jobs can you go into if you enjoy this? ICT Technician, Hardware engineer etc.	