Ormiston **Meridian** Academy

[OAT]
Ormiston Academies Trust
AN OAT ACADEMY

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Subject:	COMPUTING	Year 7 Curriculum Map 2025 - 26

Week Commencing	Topic (including links to additional resources)	Assessment Window
Staff INSET 01/09 Students Return 02/09	Induction, welcome, logging into Teams, health and safety, computer user agreement	
08/09/2025	Induction, welcome, logging into Teams, health and safety, computer user agreement	
15/09/2025	Digital Literacy – Passwords, files and folders and understanding cloud storage. This lesson introduces learners to how they choose a secure password for computing devices. Students will apply a range of basic skills such as how to set up folders and rename files, and understand cloud storage and its wider use. .	
22/09/2025	Digital Literacy – Using email. Students will learn how to compose and send a simple email with a clear subject line, appropriate greeting, and closing, including the use of CC and BCC.	
29/09/2025	Digital Literacy – Creating a timetable. Students will use a range of features in word processing software to format text, insert tables and add images ensuring it is visually appealing.	
06/10/2025	**Digital Literacy** – Hardware and software fundamentals. Students will be able to define the basic hardware components that make up a computer system (CPU, RAM, secondary storage) and some examples of software (operating system, web browser, word processor, spreadsheet)	
13/10/2025	PASS GL Assessments	
20/10/2025	Dyslexia Screening	
October Half Term		
03/11/2025	AR1 Revision and preparation & AR1 Assessment	AR1
10/11/2025	Bebras National Computing Challenge	AR1
17/11/2025	AR1 Critical Reflection	
24/11/2025	Digital Literacy – Presentation Software. Students will show increased competence in presentation software including balanced layouts, colour schemes, considering fonts/images /animations and utilise a range of features in Presentation software to **target different audiences**	

Ormiston Meridian Academy is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.

Eco-Schools   FAIR ACTIVE SCHOOL   Healthy School   DofE   QUALITY IN CAREERS STANDARD   Young Engineers   ssat the schools, students and teachers network   The OAKS   allsorts LGBT+ Allyship Programme

01/12/2025	<u>Digital Literacy</u> – Presentation Software. Students will show increased competence in presentation software including balanced layouts, colour schemes, considering fonts/images /animations and utilise a range of features in Presentation software to **target different audiences** **Learning Checkpoint**	
08/12/2025	<u>Introduction to Programming -Lesson 1</u> - Students will use Scratch to sequence instructions.	
15/12/2025	<u>Introduction to Programming -Lesson 2</u> - Students will use Scratch to create programs using variables and input to store data and use data provided by an external agency	
Christmas Break		
05/01/2026	<u>Introduction to Programming -Lesson 3</u> - Students will use iteration to repeat instructions, creating geometric shapes from simple instruction sets in Scratch	
12/01/2026	<u>Introduction to Programming -Lesson 4</u> - Students will use selection to make decisions, providing multiple paths through a program in Scratch	
19/01/2026	<u>Introduction to Programming -Lesson 5</u> - Students will use Scratch to create and use multiple sub-programs, sending messages between subroutines. Students will utilize pre-existing subroutines and subroutines created by others. **Learning Checkpoint**	
26/01/2026	<u>**Lesson 1 – Computer Networks and protocols.**</u> Students will learn about what a computer network is and explain how data is transmitted between computers across networks. Also what a 'protocol' is and provide examples of non-networking protocols.	
02/02/2026	<u>**Lesson 2 – Networking hardware.**</u> Students will learn about network cables, switches, servers and routers. Each is explained in turn, and learners then use their knowledge of each component to build a series of increasingly complicated network diagrams.	
09/02/2026	<u>**Lesson 3 – Wired and wireless networks**</u> Students will learn how bandwidth varies between these technologies. Learners will discuss the mobile technologies of 3G, 4G, and 5G. Learners will develop an understanding of the term 'bandwidth' and test the performance of their own internet connection. Learners will also develop an appreciation for online activities that are bandwidth-heavy, before moving on to explore the advantages and disadvantages of wired and wireless networks	
February Half Term		
23/02/2026	<u>**Lesson 4 – The Internet.**</u> Learners will watch a video from one of the "fathers of the internet", Vinton Gray Cerf, who explains the internet and its history. Learners will watch a video called A Packet's Tale which will explain how messages can be successfully sent from one device to another across the planet in under a second using packets and IP addresses. Learners will develop an understanding of packet structure and packet switching. The term 'protocol' will be revisited, and two particular protocols, TCP and IP, will be explained.	
02/03/2026	<u>**Lesson 5 – The World Wide Web.**</u> Students will learn about the World Wide Web (WWW), the components that are associated with the WWW, and how they work together. First, learners will look at a series of images and identify how they can be grouped into web browsers, web pages, and search engines. Next, the key components of the WWW are explained (browser, server, web pages, and search engines). A link is made to the first lesson of the unit, in which the class learnt about protocols — learners will develop an understanding of the difference between HTTP and HTTPS protocols. Learners will also gain an understanding of URLs and their structures. **Learning Checkpoint**	
09/03/2026	<u>**Modelling Data – Spreadsheets.**</u> *Getting to know a spreadsheet.* This lesson introduces students to the concept of spreadsheets and why spreadsheets are useful. They will learn how to navigate a spreadsheet via its rows and columns, and become familiar with the cell referencing system. They will locate and select ranges of cells and change cells' background colour and border properties.	

16/03/2026	**Modelling Data – Spreadsheets**. *Quick calculations*. In this lesson, students will practice entering text into cells of a spreadsheet and then learn how to perform calculations on the data using basic formulas and cell references. They will learn how to use the autofill tool to duplicate cells and continue a linear pattern, and then combine the autofill tool with basic formulas to quickly populate a results column with calculations.	
23/03/2026	**Modelling Data – Spreadsheets**. *Quick calculations*. In this lesson, students will practice entering text into cells of a spreadsheet and then learn how to perform calculations on the data using basic formulas and cell references. They will learn how to use the autofill tool to duplicate cells and continue a linear pattern, and then combine the autofill tool with basic formulas to quickly populate a results column with calculations	
Easter Break		
13/04/2026	**Modelling Data – Spreadsheets**. *Part 1 Become a data master*. In this lesson, students will discover how to use functions to analyse data in a spreadsheet. As well as learning how to automatically create charts from data, they will be introduced to four functions: SUM, MAX, MIN, and COUNTA. Functions allow you to very quickly calculate results. The functions covered in this lesson are used to calculate totals, find the maximum and minimum values in a range, and count populated (i.e. non-blank) cells.	
20/04/2026	**Modelling Data – Spreadsheets**. *Level up your data skills*. This lesson will introduce students to three more functions — COUNTIF, AVERAGE, and IF — and to how they can sort and filter a spreadsheet. Learners will work on a larger data set to get a feel for analysing real-world data using spreadsheets.	
27/04/2026	**Modelling Data – Spreadsheets**. *Level up your data skills*. This lesson will introduce students to three more functions — COUNTIF, AVERAGE, and IF — and to how they can sort and filter a spreadsheet. Learners will work on a larger data set to get a feel for analysing real-world data using spreadsheets. Learning Checkpoint	
04/05/2026	**Creative Video Editing** - Come and Visit us Students will be introduced to a promotional video to promote a destination, and with support critique the videos identifying strengths and weaknesses._Students will decide on a destination and conduct research using the internet effectively. They will save suitable images to use in their video, considering audience and purpose, and the copyright properties of the images,	
11/05/2026	**Creative Video Editing** - Come and Visit us Students will use Canva to create their promotional video, ensuring that all areas of strength identified in the first lesson are applied to their video to ensure a high-quality finish, using transitions, text and images to have a good impact.	
18/05/2026	**Creative Video Editing** - Come and Visit us Students will use Canva to create their promotional video, ensuring that all areas of strength identified in the first lesson are applied to their video to ensure a high-quality finish, using transitions, text and images to have a good impact.	
May Half Term		
01/06/2026	**Creative Video Editing** - Come and Visit us Students will use Canva to create their promotional video, ensuring that all areas of strength identified in the first lesson are applied to their video to ensure a high-quality finish, using transitions, text and images to have a good impact.	
08/06/2026	**Creative Video Editing** - Come and Visit us Students will evaluate their promotional video, looking at strengths and weaknesses and how it may have been improved.	
15/06/2026	AR3 Revision and preparation lesson	AR3
22/06/2026	AR3 Assessment during lesson	AR3
29/06/2026	Critical Reflection	AR3
06/07/2026	E-safety Focus Week	
13/07/2026	Enrichment	
20/07/2026	FLEXI INSET	