Long Term Plan 2026/2027 - Computing - Year 7

DIXONS BROOKLANDS ACADEMY

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1 Term 1 / 2	W/C 24/08	W/C 31/08	W/C 07/09	W/C 14/09	W/C 21/09	W/C 28/09	W/C 05/10	W/C 12/10	W/C 02/11	W/C 9/11	W/C 16/11	W/C 24/11	W/C 01/12
	Staff 27,28/08 and 01/09 training days	2/9 - Y7/11 3/9 - Y8-10								*12,13/11 Data days*			
		1. Digital Literacy Intro-duction to computing	**1. DL** Office 365 Email One Drive	**1. DL** Microsoft Word Skills	**1. DL** Microsoft Word challenge	**1. DL** E-Safety: Cyber-bullying	**1. DL** E-Safety: Personal Data	**1. DL PowerPoint** Skills digital literacy presentation	**1. DL PowerPoint** Planning digital literacy presentation	**1. DL Hyperlinks** digital literacy presentation	**1. DL PowerPoint** Self, peer ASSESSMENT and show	**C1 Assessment**	**2. Sequencing** Flowcharts intro and shapes
Cycle 2 Term 3 / 4	W/C 07/12	W/C 14/12	W/C 04/01	W/C 11/01	W/C 18/01	W/C 25/01	W/C 01/02	W/C 8/02	W/C 22/02	W/C 01/03	W/C 8/03	W/C 15/03	W/C 22/03
								12,13/02 data days		*4,5/03 data days*			
	2. Sequencing Flowol Inputs and Decision robot	**2. Sequencing** Flowol Sensors And sub-routines lighthouse	**2. Sequencing** Flowol Variables, Ferris wheel	**2. Sequencing Flowol** Complex flowchart – Train set	**2. Sequencing** Flowol ASSESSMENT Greenhouse	**3. Spreadsheet modelling Spy School** Intro to Excel Formula	**3. Spreadsheet modelling Spy School** Formatting	**3. Spreadsheet modelling Spy School** Functions	**3. Spreadsheet modelling Spy School** Sort and Filter	**3. Spreadsheet modelling Spy School** Charts and analysis	**3. Spreadsheet modelling Spy School** ASSESSMENT Spring Fair Skills Test	**4. Block coding Kodu** Intro to Kodu	**4. Block coding Kodu** World building
Cycle 3 term 5 / 6	W/C 29/03	W/C 19/04	W/C 26/04	W/C 03/05	W/C 10/05	W/C 17/05	W/C 31/05	WC 07/06	W/C 14/06	W/C 21/06	W/C 28/06	W/C 05/07	W/C 12/07
	29/3 Bank holiday			*3/5 May bank holiday*									
	4. Block coding Kodu Navigation	**4. Block coding** Paths and pages	**4. Block coding** Programming Selection	**4. Block coding** ASSESSMENT Kodu world submission	**C3 Assessment**	**5. AI graphics** Body image and AI	**5. AI graphics** Photo manip-ulation software	**5. AI graphics** Basic tools	**5. AI graphics** Advanced tools and techniques	**5. AI graphics** Poster creation	**5. AI graphics** Peer, self-ASSESSMENT and review	**Compu-tational thinking and problem-solving puzzles**	**Compu-tational thinking and problem-solving puzzles**

Long Term Plan 2026/2027 - Computing - Year 8

DIXONS BROOKLANDS ACADEMY

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1 Term 1 / 2	W/C 24/08	W/C 31/08	W/C 07/09	W/C 14/09	W/C 21/09	W/C 28/09	W/C 05/10	W/C 12/10	W/C 02/11	W/C 9/11	W/C 16/11	W/C 24/11	W/C 01/12
	Staff 27,28/08 and 01/09 training days	2/9 - Y7/11 3/9 - Y8-10								*12,13/11 Data days*			
		1. Digital Literacy Cloud manage-ment	**1. DL** Email, teams,	**1. DL** Microsoft office skills	**1. DL** Office treasure hunt	**2. Computer Crime** CMA and computer misuse	**2. Computer Crime** Viruses and malware	**2. Computer Crime** Hack the bank!	**2. Computer Crime** Personal data & ID theft	**2. Computer Crime** Phishing, smishing & social engineering	**2. Computer Crime** Copyright	**2. Computer Crime** Health and safety	**2. Computer Crime** ASSESSMENT
Cycle 2 Term 3 / 4	W/C 07/12	W/C 14/12	W/C 04/01	W/C 11/01	W/C 18/01	W/C 25/01	W/C 01/02	W/C 8/02	W/C 22/02	W/C 01/03	W/C 8/03	W/C 15/03	W/C 22/03
								12,13/02 data days		*4,5/03 data days*			
	3. Hardware & software Computers & embedded systems	**3. Hardware & software** Input, output and storage	**3. Hardware & software** O/S, application and Utilities	**3. Hardware & software** Internet and WWW	**3. Hardware & software** History of Computers project	**3. Hardware & software** ASSESSMENT	**C2 Assessment**	**4. App design** Intro to app design	**4. App design** User inputs and variables	**4. App design** Screens and navigation	**4. App design** App development Project part 1	**4. App design** App development Project part 2	**4. App design** Test and publish
Cycle 3 term 5 / 6	W/C 29/03	W/C 19/04	W/C 26/04	W/C 03/05	W/C 10/05	W/C 17/05	W/C 31/05	WC 07/06	W/C 14/06	W/C 21/06	W/C 28/06	W/C 05/07	W/C 12/07
	29/3 Bank holiday			*3/5 May bank holiday*									
	5. programming Intro to Python	**5. programming** Variables and inputs	**5. programming** Data types and arithmetic operators	**5. programming** Selection with comparison operators	**5. programming** More Selection	**5. programming** ASSESSMENT **Python quiz**	**C3 Assessment**	**C3 Assessment**	**6. Sprites** Game characters	**6. Sprites** Creating sprites using Piskel	**6. Sprites** Animation characters	**6. Sprites** Exporting PNG and importing into game environment	**Decompo-sition, abstraction, pattern recognition and algorithms**

Long Term Plan 2026/2027 - Computing - Year 9

DIXONS BROOKLANDS ACADEMY

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1 Term 1 / 2	W/C 24/08	W/C 31/08	W/C 07/09	W/C 14/09	W/C 21/09	W/C 28/09	W/C 05/10	W/C 12/10	W/C 02/11	W/C 9/11	W/C 16/11	W/C 24/11	W/C 01/12
	Staff 27,28/08 and 01/09 training days	2/9 - Y7/11 3/9 - Y8-10								*12,13/11 Data days*			
		1. Digital Literacy Cloud manage-ment	**1. DL** Microsoft office skills	**1. DL** Microsoft office skills	**1. DL** Co-Pilot for research	**2. programming** Algorithms	**2. programming** Variables and inputs	**2. programming** Nested Selection	**2. programming** Iteration	**2. programming** Sequence, selection, iteration mini program	**2. programming** ASSESSMENT **Python game**	**3. AI Machine learning** AI and machine learning	**3. AI Machine learning** Data sourcing
Cycle 2 Term 3 / 4	W/C 07/12	W/C 14/12	W/C 04/01	W/C 11/01	W/C 18/01	W/C 25/01	W/C 01/02	W/C 8/02	W/C 22/02	W/C 01/03	W/C 8/03	W/C 15/03	W/C 22/03
								12,13/02 data days		*4,5/03 data days*			
	3. AI Machine learning Training and testing	**3. AI Machine learning** Making improve-ments	**3. AI Machine learning** Building a model	**3. AI Machine learning** Evaluation	**3. AI Machine learning** ASSESSMENT Review and quiz	**Options taster CS, DIT and Enterprise**	**C2 Assessment**	**Options taster CS, DIT and Enterprise**	**4. Data represent-ation** number systems	**4. Data represent-ation** Binary conversions	**4. Data represent-ation** Binary addition	**4. Data represent-ation** Hexadecimal	**4. Data represent-ation** Images
Cycle 3 term 5 / 6	W/C 29/03	W/C 19/04	W/C 26/04	W/C 03/05	W/C 10/05	W/C 17/05	W/C 31/05	WC 07/06	W/C 14/06	W/C 21/06	W/C 28/06	W/C 05/07	W/C 12/07
	29/3 Bank holiday			*3/5 May bank holiday*									
	4. Data represent-ation Sound	**4. Data represent-ation** ASSESSMENT Topic test	**5. User interface** Interacting with technology	**5. User interface** Storyboard	**5. User interface** Interface development	**5. User interface** Interface development	**C3 assessment**	**C3 assessment**	**5. User interface** Review	**5. User interface** ASSESSMENT Present-ations	**6. CV** What is a CV	**6. CV** Personal statement	**6. CV** Creating a CV

OCR Computer Science (Year 10) - Long Term Plan 2026/27

DIXONS BROOKLANDS ACADEMY

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1 Term 1 / 2 Cycle 2 Term 3 / 4	W/C 24/08	W/C 31/08	W/C 07/09	W/C 14/09	W/C 21/09	W/C 28/09	W/C 05/10	W/C 12/10	W/C 02/11	W/C 9/11	W/C 16/11	W/C 24/11	W/C 01/12
	INSET, Data & Planning Days	2/9 - Y7/11 3/9 - Y8-10								12,13/11 Data days			
		Introduction to Computer Science Intro, Book Set-Up Expectations	**Programming Basic** Data Types & Operators **Data Rep** Units and Binary Numbers	**Data Rep** Binary Number Conversions Binary Addition	**Programming Basic** Sequencing **Data Rep** Binary Addition & Hexadecimal	**Data Rep** Quiz on Conversions, Addition and Hexadecimal Gap Fill Exercise	**Programming Basic** Selection Syntax **Data Rep** ASCII and Unicode	**Data Rep** Images	**Programming Basic** Selection Practice **Data Rep** Sound		**Programming Basic** Programming Practice **Data Rep** Compression	**Data Rep** Images, Sound, Compression Review	**Programming Basic** Programming Task **Cycle 1 Assessment** Data Rep
Cycle 2 Term 3 / 4	W/C 07/12	W/C 14/12	W/C 04/01	W/C 11/01	W/C 18/01	W/C 25/01	W/C 01/02	W/C 8/02	W/C 22/02	W/C 01/03	W/C 8/03	W/C 15/03	W/C 22/03
								12,13/02 data days		*4,5/03 data days*			
	Feedback from Cycle 1 Data Rep	**Programming Feedback** **Computer Systems** Boolean Logic	**Computer Systems** Application and System Software	**Programming Basics** Iteration **Computer Systems** Programming Lang & Translators	**Computer Systems** Systems Architecture	**Cycle 2 Assessment** **Computer Systems** CPU	**Computer Systems** Memory and Secondary Storage	**Cycle 2 Assessment Feedback** **Computer Systems Knowledge Quiz**	**Networks** Wired & Wireless Networks	**Programming** Procedures & Functions	**Networks** Topologies and Security	**Programming** Selection, Iteration, Functions **Networks** Security, Protocol & Layers	**Networks** Protocol & Layers
Cycle 3 term 5 / 6	W/C 29/03	W/C 19/04	W/C 26/04	W/C 03/05	W/C 10/05	W/C 17/05	W/C 31/05	WC 07/06	W/C 14/06	W/C 21/06	W/C 28/06	W/C 05/07	W/C 12/07
	29/3 Bank holiday			*3/5 May bank holiday*									
	Programming Programming Task	**Networks** Assessment Feedback	**Programming** Validation	**Cyber Security**	**Programming** Purpose of Algorithms	**Cyber Security** Assessment	**Programming** Practical Task	**Impacts of Tech** Ethical	**Programming** Errors and Testing	**Impacts of Tech**	**Cycle 3 Assessment**	**Feedback from Cycle 3 Assessment**	**Programming Task**

	Networks Assessment	**Cyber Security** Cyber Security Threats	**Cyber Security** Social Engineering	Malicious Code	**Cyber Security** Detection & Prevention		**Impacts of Tech** Ethical		**Impacts of Tech** Environmental	Environmental and Legal	**Impacts of Tech** Legal & 9 Mark Q		

OCR Computer Science (Year 11) - Long Term Plan 2026/27

DIXONS BROOKLANDS ACADEMY

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1 Term 1 / 2 Cycle 2 Term 3 / 4	W/C 26/8	W/C 02/09	W/C 09/09	W/C 16/09	W/C 23/09	W/C 30/09	W/C 07/10	W/C 14/10	W/C 04/11	W/C 11/11	W/C 18/11	W/C 25/11	W/C 02/12
	INSET, Data & Planning Days	2/9 - Y7/11 3/9 - Y8-10								*12,13/11 Data days*			
		Intro to CS Yr11 Expectations and Books **Data Rap Recap** Conversions Addition	**Programming** Algorithms, Decomposition and Abstraction	**Data Rep Recap** Hex, Compression **Programming** Creating Algorithms – Flowcharts	**Programming** Flowcharts and Intro to Pseudo-code	**Data Rep Recap** Images and Sound **Programming** Pseudocode Algorithms	**Programming** Searching Algorithms	**Imp of Tech** Ethical **Programming** Sorting Algorithms	**Computer Systems** Boolean Logic		**Programming** Data Types and Operations	**Imp of Tech** Legal **Programming** Sequence	**Cycle 1 Assessment**
	Imp of Tech Environmental **Feedback from Cycle 1 Data Rep**	**Programming** Selection	**Computer Systems** Hardware and Software **Programming** Selection	**Programming** Iteration	**Computer Systems** Languages and Translators **Programming** Iteration	**Cycle 2 Assessment** Programming Task and Computer Systems	**Computer Systems** System Architecture **Programming** Arrays and Records	**Cycle 2 Assessment Feedback** **Programming** Arrays and Records	**Programming** Procedures and Function Validation and Authentication		**Programming** Purpose of Algorithms Errors and Testing	**Programming** Recap	**Computer Systems** CPU **Programming Recap and Tasks**
Cycle 3 term 5 / 6	W/C 31/03	W/C 21/04	W/C 28/04	W/C 05/05	W/C 12/05	W/C 19/05	W/C 02/06	WC 09/06	W/C 16/06	W/C 23/06	W/C 30/06	W/C 07/07	W/C 14/07
	29/3 Bank holiday			*3/5 May bank holiday*									
	Programming Recap **Paper 2 Recap**	**Paper 2 Recap** **Programming Skills Recap**	**Programming Recap** **Paper 2 Recap**	**Paper 2 Recap** **Programming Skills Recap**	**12/05 Paper 1 Exam** **Paper 2 Recap**	**20/05 Paper 2 Exam**							