

Week	Unit	Theory	Practical / Tasks	Assessment / HW	Project
5 June	SDD	Problem solving Research code problems	PC – Box Graph Challenge		
12 June	WDD	H Web Float and Display	PC – GR Cooking Site		
19 June	SDD	Problem solving Research code problems	PC – Wordle Challenge		
14 Aug	SDD	Arrays Parallel Arrays, 2D Arrays, Arrays of Records	PC – Timetable – Declare 2D, assign, access PC – Rainfall – Processing 2D with nested loops		
21 Aug	SDD	Arrays for gaming Project Planning – Analysis Feasibility / Constraints Use Case Project Plan Gantt	PC – Mini ‘minesweeper’ JOT – Coach booking Use Case JOT – Coffee Project Plan JOT – Coffee Gantt		
28 Aug	SDD	OOP - Introduction Classes v Objects Instantiation Encapsulation Inheritance	PC – Pupil / Teacher / Person Model		
4 Sep	SDD	OOP Constructors Polymorphism Instance variables v class variables Relationships	PC – Standard Algorithms in Java JOT – Football Team relationships	SDD HW 1 – OOP / Java	
11 Sep	SDD	OOP – SQARL Linked Lists	JOT – Practice exam Qs using SQARL JOT – Practice exam Qs PC – Simple implementation and iteration (optional)		
18 Sep	SDD	Binary Search Project – User Surveys	PC – Prime Numbers Binary Search PC – Visualisation (optional) PC – Simon Cowell	TEST - SDD Half Block	

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25 Sep	SDD	Bubble Sort Bubble Sort with Early Exit	PC – QWERTY Bubble Sort PC – Visualisation (optional)		
2 Oct	SDD	Project – Design Insertion Sort Short-circuiting conditions	JOT – ‘Snap’ UI design PC – Ten Integer Insertion Sort	SDD HW 2 - Algs	
9 Oct	SDD	Project – Testing Module Testing System Testing Usability Testing			
23 Oct	DDD	Databases Analysis and Design SQL Data Dictionaries ERD with Participation and Entity Strength	JOT – Design tasks PC – Create Hotel DB in Access	TEST - SDD Full Block DDD HW 1 - ERD	
30 Oct	DDD	Query Design AH clauses Inner queries Keys	PC – Hotel Queries	DDD HW 2 – Query Design	
6 Nov	DDD	DDL Create Keys Constraints	PC – Build Products DB in Access JOT – ERD for Products DB PC – Query Products DB		
13 Nov	DDD	MySQL and PHPMyAdmin	PC – Build and query Hotels DB on server	DDD HW 3 - DDL	
20 Nov	DDD	MySQL and VB Connect Query NonQuery ExecuteScalar Try/Catch (optional)	PC – Klik and Went program		

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27 Nov	WDD	Responsive Web Design HTML5 - Containers HTML5 - Validation @media	PC - Box model using @media screen and print	HW 1 – Iron Man	Introduction Issue Candidate Packs Report guidance Start Analysis
4 Dec	WDD	Forms Form processing (PHP) inc. GET / POST Form processing groups (optional)	PC – Computing Quiz Form PC – Computing Quiz Results	HW 2 – Login	
11 Dec	WDD	PHP and MySQL Session Variables	PC – Click and Go Lite Website PC – Add login to Website		Analysis sign-off by teacher deadline
18 Dec	WDD		PC – Wild Scot		
8 Jan		Prelim Prep / Project		TEST – DDD / WDD Double Block	
15 Jan		Prelim Prep / Project		Prelim	
22 Jan		Project			
29 Jan		Project			
5 Feb		Project			
12 Feb		Project			
19 Feb		Project			
26 Feb		Project			
4 Mar		Project			
11 Mar		Project			Project deadline
18 Mar		Exam Prep			
25 Mar		Exam Prep			
15 Apr		Exam Prep			
22 Apr		Exam Prep			