

Tiverton High School Year 7 Computing - Learning Journey 2020-2021

Week	Date	Key constructs that we cover in each unit	Details of what we will learn about each week	Assessment
1	07.09.20	Unit 7-1 Using Computer Systems KC-1 Organising your work KC-4 Internet and web KC-1 Security and safety Unit 7-2 Working with text KC-2 Generating and formatting text KC-2 Adapting and annotating images KC-3 Parts of a computer system	Username and passwords, school network environment.	"What's Inside a Computer?" document
2	14.09.20		Browsing the web, sending and receiving email.	
3	21.09.20		Simple text, headings, styles, headers, saving.	
4	28.09.20		Orientation, tables, shading and merging cells.	
5	05.10.20		Previewing work. Printing in colour/mono. Page orientation. Extension: Special symbols and character formatting (sub-script/super-script).	
6	12.10.20		Text frames, borders and fills. Inserting images. Connecting lines and arrows. Layering objects with bring to front/send to back.	
7	19.10.20		Combining shapes, lines, arrows and text labels to creating a useful diagram.	
Half Term				
8	02.11.20	Unit 7-3 Working with numbers KC-2 Structuring data KC-2 Performing calculations KC-2 Presenting information	Cell borders and shading. Arithmetic formulae.	"Bitmap" spreadsheet showing binary and denary conversion
9	09.11.20		Linking a series of calculations together. Scaling to fit page.	
10	16.11.20		Statistical functions.	
11	23.11.20		Applying formulae: conversions between number bases.	
12	30.11.20		Representing simple bitmap images using binary.	
13	07.12.20	Unit 7-4 Working with images KC-2 Adapting and annotating images	Bitmap graphics and pixels. Selecting parts of images. Working with layers. Resizing, rotating and adjusting colours/levels. Adding text. Demarcating text with outlines/drop-shadows. Printing & fitting-to-page.	
14	14.12.20		Assessment and RAP	
Christmas				
15	04.01.21	Unit 7-5 Problem-solving and planning KC-6 Problem solving KC-6 Using and creating flow-charts	Purpose of flowcharts and meaning of each symbol. Tracing through.	"Higher or Lower" guessing game flowchart
16	11.01.21		Drawing rough flow-charts on paper.	
17	18.01.21		Draw water-state flowchart on computer, using rough copy from previous week.	
18	25.01.21		Draw flowchart that determines whether number is odd or even.	
19	01.02.21		Developing a flowchart: Higher or lower guessing game.	
20	08.02.21			
Half Term				
21	22.02.21	Unit 7-6 Creating and testing programs KC-6 Programming techniques KC-6 Testing and robustness	Sequences of simple instructions, displaying text, pausing. Finding simple errors.	"Guess the word" program
22	01.03.21		Entering simple text & numeric values. Display results of simple calculations.	
23	08.03.21		Making decisions using IF-THEN-ELSE. Decisions using AND-OR-NOT	
24	15.03.21		Simple iteration using FOR loops - repeating simple display statements. Using variables from FOR loops to perform calculations.	
25	22.03.21	Assessment and RAP		
26 (½ wk)	29.03.21	Contingency – Pause Lesson		
Easter				
27	19.04.21	Unit 7-7 Creating web-pages KC-2 Generating and formatting text KC-2 Adapting and annotating images KC-3 applications and utilities KC-4 Communication and networks KC-4 Internet and web	HTML and idea of tags. Simple structure of HTML webpage. Creating code.	"Chemical Elements" web-page
28	26.04.21		Adding headings, Paragraphs. Bold/Italic emphasis. Text colour and font face, background colour.	
29	04.05.21		Bullet-lists and number-lists.	
30	10.05.21		Tags. Parts of a webpage. Changing how text looks. Adding images. Creating simple hyperlinks. Testing pages in web-browsers.	
31	17.05.21	End of Year Exam Preparation		
32	24.05.21			
Half Term				
33	07.06.21	End of Year Exam Preparation		
34	14.06.21			
35	21.06.21	End Of Year Exam		
36	28.06.21	End of Year Exam RAP		
37	05.07.21	Unit 7-8 Sorting and filtering data KC-2 Structuring, sorting, searching	Sorting data in spreadsheet. Difference between ascending & descending order. Concept of a filter. Filtering using = <> < <= > >= operators.	"Countries of the World" exercise
38	12.07.21	Development day / Activities week		
39	19.07.21	Development day / Activities week		