

Key Stage 3 Curriculum Map - 2015

Wk	8	7
	Operating Systems	Intro to S/Field Network
1	Fetch-Execute Cycle	E portfolio and Rules
2	Networks	Inputs/Outputs
3	Packet Switching	Human Computer
4	Data protection	Binary
5	Health & Safety Laws	ASCII
6	Health & Safety Laws	Vector/Bitmap/Binary Graphics
7	Health & Safety Laws	Creating Vector Graphics – Halloween at Hogwalks
8	Health & Safety Laws	Creating Vector Graphics – Halloween at Hogwalks
Half Term		
1	Simple Sorting & Searching Algorithms	Creating Vector Graphics
2	Simple Sorting & Searching Algorithms	Spreadsheet Formatting & simple formulae - Hogwalks
3	Simple Sorting & Searching Algorithms	Spreadsheet Formulae – Sum, Average, Max, Min
4	Simple Sorting & Searching Algorithms	Charts and Sorting Data
5	HTML	Modelling using Spreadsheets
6	HTML/CSS	Working with Bitmap Graphics – Hogwalks Wanted poster
7	HTML/CSS	Working with Bitmap Graphics – Hogwalks Wanted poster
christmas		
1	HTML/CSS	Visual Programming - Scratch
2	HTML/CSS	Visual Programming - Scratch
3	Control using Flowol	Visual Programming - Scratch
4	Control using Flowol	Visual Programming - Scratch
5	Control using Flowol	Visual Programming - Scratch
6	Control using Flowol	Visual Programming - Scratch
Half Term		
1	Python Programming	E Safety
2	Python Programming	E Safety
3	Python Programming	E Safety – creating a Quiz (advanced Spreadsheet skills – If states and Conditional Formatting)
4	Python Programming	E Safety Quiz cont.
5	Python Programming	E Safety Game and Review
Easter		
1	Robotics	Logic Gates/Boolean
2	Robotics	Logic Gates/Boolean
3	Robotics	Databases/Searching - Excel
4	Robotics	Databases/Searching/Boolean - Access
5	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Databases/Advanced Searching/Boolean - Access
6	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Databases/Data Types/Designing - Access
7	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Databases/Searching/Consolidation/Reports - Access
Half Term		
1	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Sound Representation in computers
2	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Sound Representation in computers
3	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Sound Representation in computers
4	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Sound Representation in computers
5	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Logo using Vinyl cutter
6	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Promotional Gift using 3D printer
7	Top Trumps integrated project: Databases, 2D Design, Vinyl Cutter, Tinkercad /Sketchup– 3D Design, 3D Printing, Blender Animation	Restaurant Project – Promotional Gift using 3D printer