

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: Computing Year Group 7

Week	Autumn
1	LOGIN TO SYSTEMS – SMHW
2	Reading Test
3	All About Me – File and Folder Management
4	What is Computer Science?
5	Hardware and Software
6	Being Online
7	Let's Go Digital
8	Own It!
9	Using SnapChat
10	Assessment
11	Fake News – The Tree Octopus
12	How Safe is My Data
13	Algorithms and Sequencing
14	Making Algorithms
15	Iterations – code.org

Week	Spring
16	Conditionals – code.org
17	Developing coding techniques – code.org challenges
18	Artificial Intelligence
19	Flappy Game/ Basket Ball Game
20	Spreadsheet Basics
21	Theme Park Design – Using a Spreadsheet
22	Running Costs – Simple Formula and Formatting
23	Money Spent – Using Functions and Formatting
24	Profit and Loss – Introducing Graphs
25	Developing Spreadsheet skills
26	Assessment
27	Programming Kodu and Landscapes

Week	Summer
28	Navigation and Paths
29	Using Creatables
30	Game Plan
31	Making The Game
32	Testing and Evaluation
33	Microbits – Introduction
34	Microbit Projects
35	Microbit Projects
36	Microbit Projects
37	Assessment
38	Microbit Projects
39	Microbit Projects

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Subject: iMedia Year Group 8

Week	Autumn
1	Features of a Computer Game
2	Creating a simple Children's Game
3	Creating a simple Children's Game
4	Maze Game
5	Maze Game
6	Making sprites
7	Developing Game – Advanced Features
8	Testing and Evaluation
9	Assessment
10	What is a Computer
11	INPUT AND OUTPUT DEVICES
12	Parts of a PC
13	The CPU
14	Computer Science Quiz
15	Health and Safety Using Computers

Week	Spring
16	Health and Safety Risk and Solutions
17	Networks LAN and WAN
18	Network Topology
19	Network Assessment
20	Product Timeline
21	Assessment
22	Networks – LAN & WAN
23	Network – Topology and Assessment
24	e-waste
25	Programming – Artificial Intelligence
26	Programming – Chatbot
27	Programming – Chatbot – Selection

Week	Summer
28	Programming – Maths Quiz
29	Programmimg – Guess the number
30	Programming – Magic 8 BALL
31	Programming – Turtle
32	Programming – Iteration Turtles
33	Sound – Digitizing Sound
34	Jobs in the sound Industry
35	Listening and Planning
36	Creating an Advertisement
37	Creating an Advertisement
38	Finishing and Exporting
39	Evaluation and Assessment

St Thomas More RC College Curriculum Topic Overview commencing September 2021

Subject: iMedia Year Group 9

Week	Autumn
1	Photo Enhancement
2	Digital Images – Bitmap
3	Colour Splash
4	Faking IT
5	Making Collage
6	Developing Advanced Skills
7	Assessment
8	Cyber Security - Storyboarding
9	Investigating Cyber Attacks
10	Social Engineering
11	Malware
12	Detecting and Preventing Cyber Security Threats
13	GDPR (idea.org) and Cyber Security
14	Assessment
15	Conventions of Magazines

Week	Spring
16	GQ Magazine
17	Pride Magazine
18	Design a lifestyle Magazine
19	Creating the front cover
20	Creating the front cover
21	Review Final Product
22	Python Programming
23	Python Programming
24	Python Programming
25	Python Programming
26	Python Programming
27	Assessment

Week	Summer
28	Databases
29	Relational Databases
30	Relational Databases
31	SQL languages and searches
32	Assessment
33	Internet and the WWW
34	LAN/ WAN Networks
35	Wired and Wireless Networks
36	Artificial Intelligence
37	Driverless Cars
38	Cloud Storage
39	Introduction to idea.org