

Computing – Y7

I LINK

1. I can link file storage and extensions to how different programs manage files.
2. I can apply formatting tools from Word into PowerPoint.
3. I can use data from Excel in a mail merge.
4. I can relate inputs/outputs in Scratch and Minecraft.
5. I can link my knowledge of binary to character encoding (ASCII).
6. I can use Minecraft Redstone to power doors, lights, or traps.

I CREATE

1. I can create folders and files to keep my work organised.
2. I can design simple documents, slideshows, and spreadsheets using MS Word, PowerPoint, and Excel.
3. I can make interactive projects in Scratch using movement, scoring, and randomising.
4. I can create Minecraft Redstone circuits to power things like doors or lights.
5. I can write simple code using blocks or text to solve a problem or complete a task.

I ANALYSE

1. I can compare different file naming styles to decide which helps me find and identify files faster.
2. I can analyse scenarios that may pose danger in using computers.
3. I can assess the appropriate tool to use for certain tasks whether Word, Excel or PowerPoint.
4. I can observe how data changes based on formulas and validation rules.
5. I can compare different network topologies.
6. I can analyse Scratch and Minecraft task/problem requirements.

I EVALUATE

1. I can explain why one file format is more suitable than another.
2. I can justify my design choices in Word and PowerPoint.
3. I can troubleshoot issues in Excel formulas and mail merge.
4. I can reflect on how loops and events control my Scratch or Minecraft game.
5. I can evaluate the impact of social networks.
6. I can assess the effectiveness of my Redstone circuits or Scratch broadcasts

I READ

Computing Basics and Safety:
<https://edu.gcfglobal.org/en/computerbasics/>
<https://www.wisc-online.com/courses/computerskills>

MS Word, Excel and PowerPoint:
<https://teachcomputing.org/curriculum/key-stage-3>
<https://edu.gcfglobal.org/en/topics/office/>

Scratch:
<https://teachcomputing.org/curriculum/key-stage-3>
<https://csfirst.withgoogle.com/c/cs-first/en/storytelling/overview.html>

Minecraft:
<https://education.minecraft.net/en-us/resources/computer-science>

I LEARN

1. File Management and Productivity Tools – MS Powerpoint, MS Word, Mail Merging
2. Social Networking – Dangers and Safety
3. MS Excel – Basic layout and tools, Chart, Data Validation, Vlookup
4. Scratch – Basic layout and tools, Block-based Coding, Movement, Lives and Scoring, Loops, Broadcast, Randomising
5. Computing Basics – Input and Output, Computer Components, Network Topologies, Binary and ASCII, Health and Safety in using Computers
6. Minecraft – Basic layout and tools, Block-based Coding, Variables and Conditions, Red Stone Basics