

Computing: Knowledge and Skills Audit Form

Name:	Date:
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Use this form to audit your Computing knowledge and skills.

<u>Section 1: Computer Science</u>	I am not confident I can do this.	I am confident I can do this.	I am very confident I can do this
I can explain what algorithms are and how they work			
I can teach pupils how to design and write programs			
I can teach pupils how to debug programs			
I can teach pupils how to decompose (break down) problems into smaller parts			
I can explain what variables are			
I can explain how to use logical reason to predict what a program will do			

<u>Section 2: Information Technology</u>	I am not confident I can do this.	I am confident I can do this.	I am very confident I can do this
I can recognise common uses of technology beyond school			
I can explain how computer networks, including the internet, work			
I can teach pupils how to use search technologies effectively			

<u>Section 3: Digital Literacy</u>	I am not confident I can do this.	I am confident I can do this.	I am very confident I can do this
I can use technology to create, organise, store, manipulate and retrieve digital content			
I can teach pupils to use technology to create, organise, store, manipulate and retrieve digital content			
I can use appropriate variety of software and devices to create programs, systems, and content			
I can use technology safely and respectfully . (<i>E-Safety</i>)			
I can teach pupils to use technology safely and respectfully. (<i>E-Safety</i>)			
I can evaluate digital content discerningly (<i>E-Safety</i>)			
I can teach pupils to evaluate digital content discerningly (<i>E-Safety</i>)			

<u>Section 4: Hardware, Software and Apps</u>	I am not confident I can do this.	I am confident I can do this.	I am very confident I can do this
I can teach pupils to use laptops, tablets and desktop computers.			
I can teach pupils to program using Scratch or Scratch Jnr			
I can teach pupils to program using BeeBot			
I can teach pupils to use LOGO			
I can teach pupils using graphical design (Paint, Draw, etc) or photo editing software (Canva, etc)			
I can teach pupils to use word processing (Word, Docs, etc) and presentation software (PowerPoint, Slides, etc) to create content.			
I can teach pupils to use audio editing software (audacity, etc)			

<u>Section 6: E-Safety</u>	I am not confident I can do this.	I am confident I can do this.	I am very confident I can do this
I understand that schools (and Marjon) have an E-Safety (policy) and online code of conduct.			
I understand where E-Safety and an online code of conduct sits withing the Teaching Standards.			
I follow safe procedures and encourage others to do the same.			
I can teach pupils to how to check and update their privacy and security settings			
I can teach pupils about the dangers of the internet and how school and personal digital devices can be used for bullying, harassment and abuse.			
I can teach pupils how to evaluate whether digital content is accurate and appropriate (<i>Digital Literacy</i>)			
I teach E-Safety subject content that is age and year group appropriate.			
I understand the different sites and online platforms that pupils use and can recognise and identify inappropriate or unsafe activity (Instagram, TikTok, Minecraft, Roblox, etc.)			

<u>Section 5: Assessment and my own subject knowledge</u>	I am not confident I can do this.	I am confident I can do this.	I am very confident I can do this
I can assess pupils' levels of understanding and identify gaps in their knowledge			
I understand the barriers to learning computing			
I have strategies in place to help pupils overcome barriers to learning computing.			
I know how to keep up to date with the trends and changes in the computing curriculum, pedagogy and wider subject area.			