

(Our!) new NC level descriptors for ICT

Level 4

- You can **combine** and **refine** information from different sources.
- You understand the need for care in **framing questions** when finding information.
- You know that **poor quality** information leads to **unreliable results**.
- You can use ICT to **present** information in **different ways**.
- You are aware of your **target audience**, and tailor your work to fit their needs.
- You understand the need for **quality** in your presentations.
- You **exchange ideas** with each other in a variety of ways, including digitally.
- You understand the **risks** of digital communication.
- You can **plan** and **test** sequences of instructions.
- You can use ICT models to **explore patterns**, and **make predictions**.
- You use ICT to **organise, store** and **access** your information.
- You **compare** your use of ICT with other methods, and with its use **outside school**.

Level 5

- You use **several** ICT tools to complete a large problem or task.
- You **select** information you need carefully, **check** its accuracy, and **organise** it appropriately.
- You use ICT to **structure, refine** and **present** information in different **forms** and **styles** for your target audience.
- You create **sequences** of instructions, and understand the need to be **precise** when doing so.
- You explore the effects of **changing variables** in an ICT-based model.
- You use ICT to **organise, store** and **retrieve** information using **logical** structures.
- You use ICT **safely** and **responsibly**.
- You **discuss** your knowledge of ICT and what you have seen of its use **outside school**.
- You **assess** the use of ICT in your work, and **reflect** on it in order to make improvements in future work.
- You **evaluate** your work to ensure it is **fit** for its purpose.

Level 6

- You **plan** and **design** ICT-based solutions tailored to meet a **specific purpose** and **audience**, showing an **integrated, efficient** use of various ICT tools.
- You **develop** and **refine** your work, and use a **greater range** and **complexity** of information.
- You can use **complex questions** to **test hypotheses**.
- You **present** your ideas in a **variety** of ways, and show a **clear** sense of audience.
- You **develop, try out** and **refine** sequences of instructions, using **sub-routines** where appropriate.
- You use ICT-based models to **make predictions**, and **vary the rules** within these models.

- You assess the validity of these models by comparing their behaviour with information from other sources.
- You **plan** and **review** your work, creating a **structured portfolio** of digital evidence of your learning.
- You discuss the **impact of ICT on society**.

Level 7

- You **design** and **implement systems**.
- You are able to **record** and **document** the steps required to develop an ICT system.
- You **combine** information from a variety of **ICT-based** and **other sources** for presentation to **different audiences**.
- You identify the **advantages** and **limitations** of different applications.
- You **select** and **use** information to develop systems suited to work in **different contexts**.
- You **develop**, **test** and **refine** sequences of instructions **as part of an ICT system** to solve problems.
- You **design** ICT-based models and procedures with **variables** that meet **their particular needs**.
- You consider the **benefits** and **limitations** of the tools and sources at your disposal, and **use** this information to inform future judgements about the quality of your work.
- You make use of **audience** and **user feedback** to **refine** your ICT solutions.
- You take part in **informed discussions** about the **use of ICT** and its **impact on society**.

Level 8

- You **independently** select **suitable sources** and **tools** for specific tasks.
- You **design** successful ways to **collect** and **prepare** information for **processing**.
- You design and implement systems **for others** to use.
- You take part in informed discussions about the **social, economic, ethical** and **moral issues** raised by ICT.