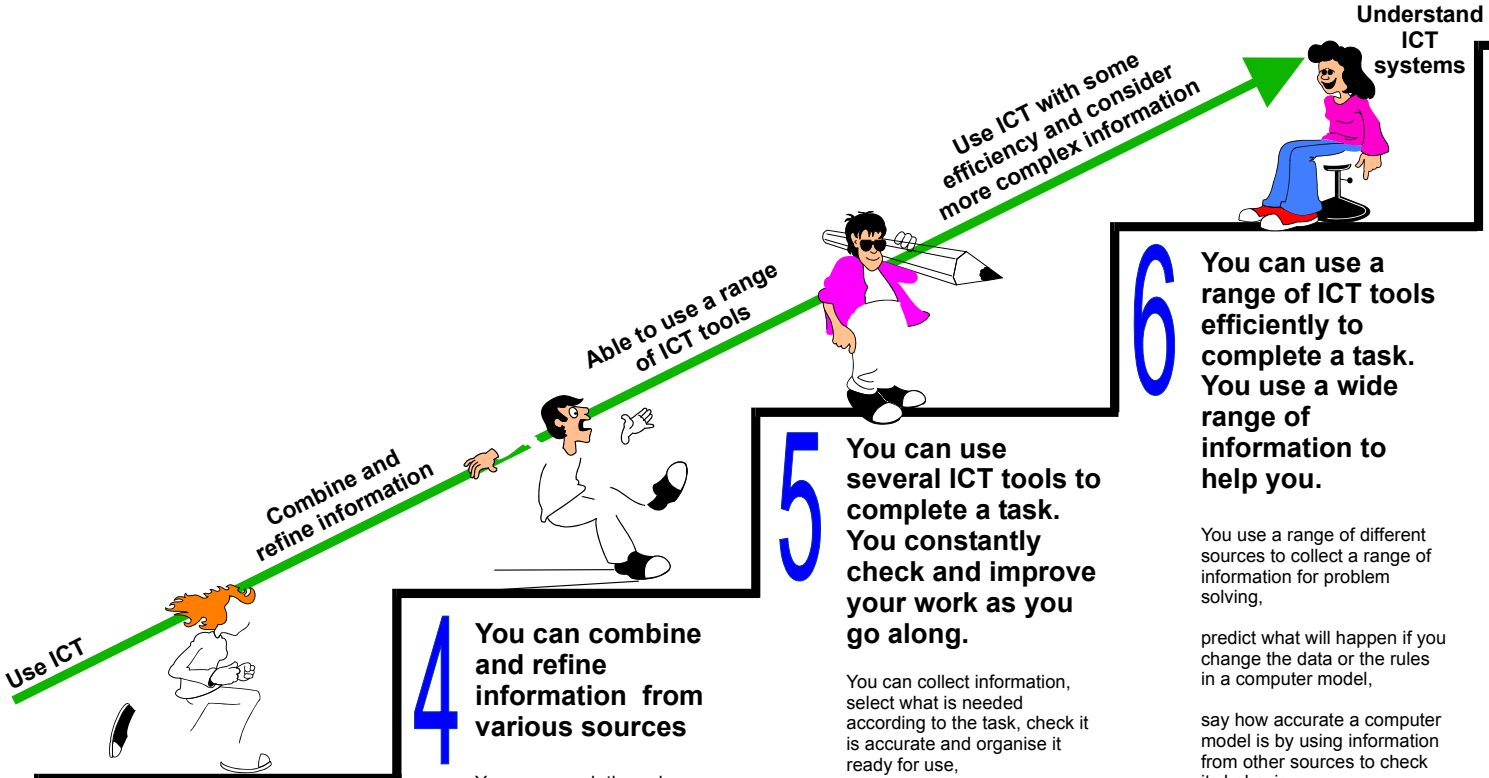
KS3 ICT Stairway to Success



3 You can use ICT to develop ideas and solve problems.

You can find and use information using ICT,

explore computer models including those that use spreadsheets,

find and correct any errors in your work using tools like a spelling checker,

produce a set of instructions to control something like a robot,

use ICT to share ideas e.g. by giving a presentation.

4 You can combine and refine information from various sources

You can search through information looking for links, patterns and differences,

look at what you found and question how realistic your conclusions are,

say whether you think a source of information is inaccurate or biased

control devices so that they behave in a set way and use sensors to measure real events,

use feedback from your audience to improve your work,

compare your use of ICT with other ways of doing the same thing.

5 You can use several ICT tools to complete a task. You constantly check and improve your work as you go along.

You can collect information, select what is needed according to the task, check it is accurate and organise it ready for use,

explore what happens when you change a computer model,

write control instructions making any necessary corrections as you work,

use sensors to monitor and measure events and understand how sensors are used in everyday life,

say how well you have used ICT and understand how you could use it more effectively next time.

6 You can use a range of ICT tools efficiently to complete a task. You use a wide range of information to help you.

You use a range of different sources to collect a range of information for problem solving,

predict what will happen if you change the data or the rules in a computer model,

say how accurate a computer model is by using information from other sources to check its behaviour,

write and improve instructions that monitor, measure and control devices efficiently,

present your work using different styles and formats to suit your audience,

discuss how your parents' lives have changed as a result of ICT and how it currently affects different areas of society (e.g. entertainment, health, transport).

7 You can design, create and improve ICT systems, using feedback from the users.

You find out what users want and use their requirements to design your work,

make sure that your design could work for other people in different situations,

list a range of tests that could be used on your system, rewriting them in the form needed in order to carry them out,

collect and analyse physical data using ICT-based sensing equipment (e.g. use weather station data to write a summary of last week's weather that would be useful to a farmer or a supermarket manager),

design ICT-based models that use variables, in order to meet particular needs,

use information from a wide variety of ICT-based and other sources,

explain the advantages and limitations of different information handling systems in areas such as health, education and business.

Bracknell Forest teachers
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