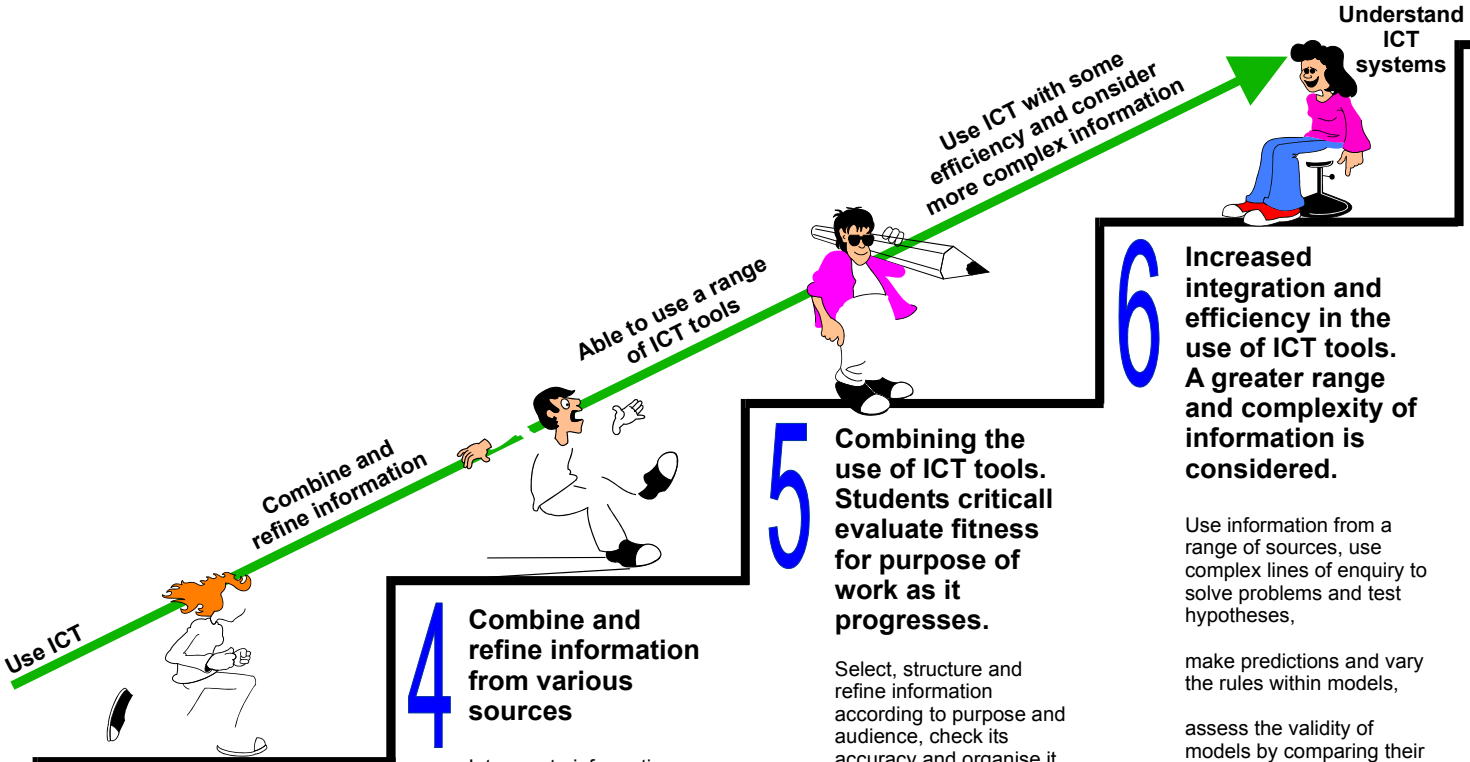
KS3 ICT Levels Ladder



3 Use ICT to develop ideas and solve problems.

Find and use stored information,

explore ICT-based models or simulations,

generate and amend work,

control devices using sequences of instructions,

use ICT to share and exchange ideas.

4 Combine and refine information from various sources

Interrogate information,

explore patterns and relationships,

interpret findings and question plausibility,

control events in a predetermined manner and sense physical data,

present information in different forms, refine and show awareness of audience,

compare their use of ICT with other methods.

5 Combining the use of ICT tools. Students criticall evaluate fitness for purpose of work as it progresses.

Select, structure and refine information according to purpose and audience, check its accuracy and organise it for processing,

explore the effects of changing the variables of a model,

create sequences of control instructions understanding the need for precision,

monitor and measure external events with sensors,

assess the use of ICT in their work.

6 Increased integration and efficiency in the use of ICT tools. A greater range and complexity of information is considered.

Use information from a range of sources, use complex lines of enquiry to solve problems and test hypotheses,

make predictions and vary the rules within models,

assess the validity of models by comparing their behaviour with information from other sources

refine instructions to monitor, measure and control showing regard for efficiency,

present ideas in a variety of ways with a clear sense of audience,

discuss the impact of ICT on society.

7 Students define, implement and refine ICT systems, making use of audience and user feedback.

Develop systems suited to work in a variety of contexts,

translate enquiries expressed in ordinary language into the form required by the system,

use ICT to measure, record and analyse physical variables,

scope and design ICT-based models and procedures with variables to meet particular needs,

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

identify the advantages and limitations of different information-handling applications.

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