

Climb to Success in ICT and Computing

- We assess 3 times a year at Key Stage 3
- We conduct regular assessment in Key Stage 4 and the option group will sit 2 Mocks, one in class in July of year 10 and one in the winter of Year 11

- Pupils describe more complex algorithms, for example, sorting or searching algorithms.
- Pupils can describe systems and their components using diagrams.
- Pupils can see simple problems and are able to produce a model which fits some aspects of these problems.
- Pupils use programming to make predictions and vary the rules within the programs.
- Pupils use testing and considering alternative ways of completing tasks
- Pupils are capable of independently writing or debugging a short program.
- Pupils are able to write simple programs and are also able to manipulate arrays.

- **Pupils plan to solve a problem dividing into smaller problems**
- **Pupils analyse and present a solution for a given task.**
- **Pupils recognise similarities between simple problems and the ways that these are solved**
- **Pupils explore the effects of changing the variables in program.**
- **Pupils make and try a set of instructions, looking at these and making improvements.**
- **Pupils will also be able to manipulate strings and select appropriate data types in coding.**
- **Pupils can design and use data structures.**

- **Pupils search to find, select and use information and find out whether the information is reliable**
- **Pupils understand the need for collecting information so that they can use it easily**
- **Pupils complete simple ICT-based models and look at how the formula and how it is laid out make you able to work out what results will be**
- **Pupils can plan, test and make improvements in their tasks**
- **Pupils create pieces of work which combine lots of ICT skills and they understand how to make things look professional**
- **Pupils communicate and exchange information in a team to improve work**
- **Pupils understand the benefits of online communication and are aware of the problems which can be found online such as Cyberbullying and Phishing**

- **Pupils search for and use information from a range of sources and decide whether this information is useful**
- **Pupils collect, record and organise in tasks so that they can judge how things are**
- **Pupils can edit and format work to make it more presentable**
- **Pupils use sequences of instructions to give specific answers to problems.**
- **Pupils answer questions when using ICT programs which can simulate what would happen.**
- **Pupils use online communication to work with others and understand how online safety is an issue**
- **Pupils describe their use of ICT inside and outside school.**

- **Pupils find and use information to answer questions.**
- **Pupils sort and organise information and present it in different ways.**
- **Pupils use simple editing and formatting techniques to develop their work.**
- **Pupils use ICT to communicate with others following instructions on safe use.**
- **Pupils plan and give instructions to make things happen or to control devices and describe what happens.**
- **Pupils make informed choices when using ICT to explore what happens in real and imaginary situations.**
- **Pupils describe how they use ICT to develop their work.**

- **Pupils work on Google and other search engines to explore and locate information.**
- **Pupils look into how things happen in the online world**
- **Pupils capture information and share their work with others.**
- **Pupils work with text, images and sound to explore and share their ideas.**
- **Pupils explore how devices respond to commands.**
- **Pupils use ICT safely by following instructions.**
- **Pupils understand that work can be saved and retrieved for later use. Pupils talk about their use of ICT.**