



'Scratch'

Fancy learning to design your own game!

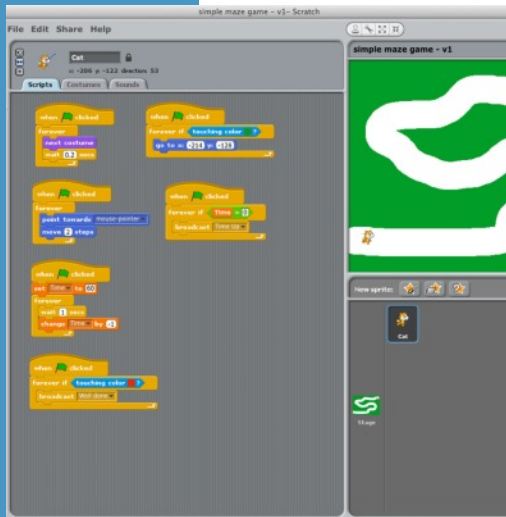
Over the next term we will be running a Computer ICT Club covering programming;

What will we do?

Using an easy to understand form of programming language called SCRATCH, which has been developed by MIT in America. We will be learning the different elements required to plan, design and create your own game!

Now this can take many forms from a simple PING, PONG game where a ball is bounced about the screen between two bats, racing cars against each other around a number of different tracks to fighting an ALIEN at-tack... Can you be the GUARDIAN of the GALAXY?

Over the term you'll find out if you are.



Programming:

What will we learn?

Programming has now been included in the syllabus taught within schools. What we are aiming to do with this club, is to open it out to both year 5 and year 6 students. There will only be a limited amount of places available and so, if you're interested in learning to use 'SCRATCH' and develop your programming then this could be for you...

We will be going through the aspects required to learn programming from the basic planning of what you want your program to do, to a top down diagram otherwise known as a flow chart to test the program structure on paper before we start to hard code.

Then we'll start the coding, learning about the structure that coding takes;

Problem-Solving and Project-Design Skills

- logical reasoning
- breaking complex problems into simpler parts
- debugging problems
- developing ideas from initial conception to completed project
- sustained focus and perseverance

Fundamental Ideas about Computers and Programming

- computer programs tell the computer precisely what to do, step-by-step writing computer programs doesn't require special expertise, just clear and careful thinking.
- So if you think this is right up your street then get your name on the list while the places are available.

- This will be taking place at lunch time on a Tuesday.
- Based in the Computer Suite.

- Work as an Individual, pairs and a team.
- LEARN but also have FUN!