

In computing we will learn to:

Code

This concept involves developing an understanding of instructions, logic and sequences.

Motion

- Set IF conditions for movements. Specify types of rotation giving the number of degrees.

Looks

- Change the position of objects between screen layers (send to back, bring to front).

Sound

- Upload sounds from a file and edit them. Add effects such as fade in and out and control their implementation.

Draw

- Combine the use of pens with movement to create interesting effects.

Events

- Set events to control other events by 'broadcasting' information as a trigger.

Control

- Use IF THEN ELSE conditions to control events or objects.

Sensing

- Use a range of sensing tools (including proximity, user inputs, loudness and mouse position) to control events or actions.

Variable and Lists

Use lists to create a set of variables.

Operators

Use the Boolean operators

() < ()

() = ()

() > ()

()and()

()or()

Not()

to define conditions.

Use the Reporter operators

() + ()

() - ()

() * ()

() / ()

to perform calculations.

Pick Random () to ()

Join () ()

Letter () of ()

Length of ()

() Mod () This reports the remainder
after a division calculation

Round ()

() of ().

Connect

This concept involves developing an understanding of how to safely connect with others.

- Collaborate with others online on sites approved and moderated by teachers.
- Give examples of the risks of online communities and demonstrate knowledge of how to minimise risk and report problems.
- Understand and demonstrate knowledge that it is illegal to download copyrighted material, including music or games, without express written permission, from the copyright holder.
- Understand the effect of online comments and show responsibility and sensitivity when online.
- Understand how simple networks are set up and used.

Communicate

This concept involves using apps to communicate one's ideas.

- Choose the most suitable applications and devices for the purposes of communication.
- Use many of the advanced features in order to create high quality, professional or efficient communications.

Collect

This concept involves developing an understanding of databases and their uses.

- Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner.