GGA Spring Computing Knowledge Organiser for Year Two: Questions

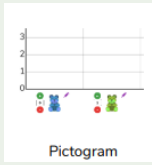
Vocabulary

Closed Question	A question that offers a set of answers or options for a person to choose from.
Open Question	A question that can't be answered with yes or no and requires extra detail.
Tally Chart	A table used to record and count data using tally marks.
Pictogram	A diagram that uses pictures to represent data.
Sorting	The process or operation of ordering items and data in a certain way.
Branching Database	A type of database that uses yes or no questions to help sort and identify objects.

Skills that I am going to learn.

Know how data can be used to help answer a question

I can use data to answer specific questions

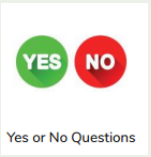


Know how to ask an appropriate question, gather data using a tally chart and present it using digital tools

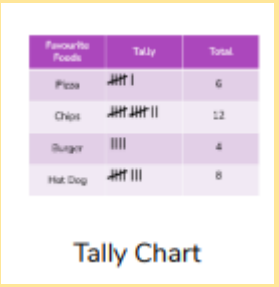
I can gather reliable data and present it in a tally chart

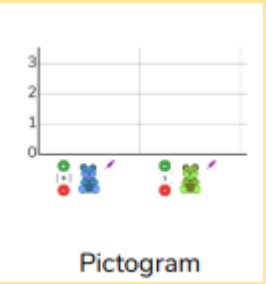
Know how yes or no questions can be used to sort data

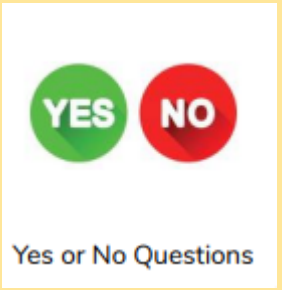
I can ask questions that only require yes or no answers

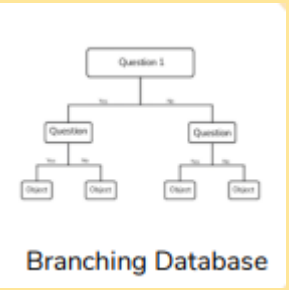


Key Resources









Why are we learning this?	Why is this important?
To be able to ask good questions to find out more information	asking the right questions helps us learn and gather reliable information from different sources

Key Questions

- Why does a question need to be asked to gather data?
- How is asking yes or no questions different to asking a regular question?
- Why are yes or no questions useful?

GGA Spring Computing Knowledge Organiser for Year Two: Coding

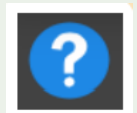
Vocabulary

Command	A single instruction in a coding program.
Debug\ Debugging	Fixing code that has errors so that the code will run the way it was designed to.
Event	Something that happens in a program that causes a block of code to be run.
Output	Information that comes out of the computer e.g. sound.
Program	A set of instructions (an algorithm) that tells a computer what to do.
Algorithm	A set of instructions in order
Action	The way that objects change when programmed to do so. For example, move.
Collision Detection	An event command that detects whether two objects have touched each other

Skills that I am going to learn.

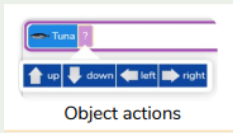
Know how to create a computer program using an algorithm

I can create a set of successful instructions for an object to complete



Know ways that the collision detection event can be used in a program.

I can give objects instructions if it hits another object



Know how to design a program that follows a timed sequence

I can make my code start after a given time

Key Images

Open Design view

Open Code view

Object actions

Timer

Key Questions

What is an algorithm? Why is it useful in coding?

If you are good at coding, you don't need to debug. Is this true?

Why is it important to know there are different object types?

Why are we learning this?

To be able to give clear instructions to make things happen on a computer.

Why is this important?

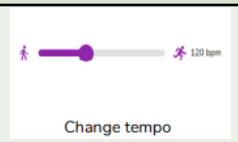
To know how to think logically, solve problems and understand how technology works.

GGA Spring Computing Knowledge Organiser for Year Two: Making Music

Vocabulary

BPM	Beats per minute - how fast or slow a piece of music is played.
Compose	To write or create your own piece of music by putting notes and sounds together.
Looping	Repeating a short section of sound or music over and over again.
Digital Music	Music that has been recorded and stored on a computer or device so it can be played at any time.
Tune	The part of the music that you can hum or sing along to
Sound Effect (SFX)	A sound other than speech or music.
Background Music	The music that plays behind talking or action in a film, TV show or game.

Skills that I am going to learn.

Explore, edit and combine sounds using 2Sequence	Know how to improve a tune and make music based around a feeling..
I can put 2 or more sounds together	I can make sounds that reflect a given emotion
 Range of sounds	 Change tempo

Why are we learning this?	Why is this important?
To be able to create our own music using sounds on a computer	It helps us be creative, explore sounds and use technology confidently.

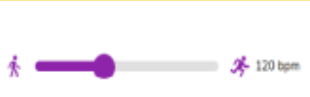
Key Questions

- What is meant by digital music?
- How can I change how my music sounds?
- What is meant be the tempo of the music?

Key Resources


Range of sounds


Change volume


Change tempo

Change number of beats


Add sound


Loop tune