

TMS Computing Launchpad - Year 2023/2024

Year 2



Computer science



Information technology



Digital literacy

I know that
an **Algorithm** is a sequence of instructions which can be used to tell a computer what to do.

a computer can **output** information as light, sound, movement or information.

I know that
there are different types of Media including **pictures, text, sound and video**.

data is a name for information which can be **collected and stored on a computer**.

animation is a **series of images** to simulate movement.

I know that
Technology is the use of computers to **control objects and information**.

A computer **stores and follows instructions**.

What **personal information** is and how to protect it.

I know how to:

Compose and **debug** simple programs.

Use a **loop**

Use sound and movement **outputs**.

WriteReader

II know how to :

Combine different types of media

Format text (bold, italic, underlined, font, size, alignment)



Data

I know how to:

Collect data as a tally.

Label a pictogram and add data to each column.

Edit a table with correct titles and numbers.

Create a bar chart/pie chart/line chart suitable for the data.



Animation

I know how to:

Add a background and **objects** to a **frame**.

Copy/clone a **frame** and move objects **simultaneously** or sequence pictures to create an **animation**.

I know how to:

Recognise digital **technology** in and beyond school

Recognise common uses of information technology beyond school



Decide which information is private and how to keep it private.

Some **information** not be shared without a parent or teacher's permission.

Identify situations in which it is wise to turn to a **trusted adult** for help



Use my emotions to help me decide when a situation is unsafe.

Decide who is trustworthy online.