GGA Spring Computing Knowledge Organiser for Year Four: Logo

Vocabulary

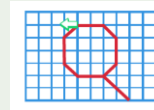|	
Debugging	The process of identifying and removing errors from computer hardware or software.
LOGO	A text-based coding language used to control an on screen turtle to create mathematical patterns.
LOGO commands (FD, BK, RT, LT)	A list of commands inputted into 2Logo to move the turtle around the screen.
Predication	When you say what is going to happen when you run the instructions.
Procedure	Pieces of Logo text with a procedure name that can be run by calling them by name. Saves time if you want to print to screen lots of the same shape.

Skills that I am going to learn.

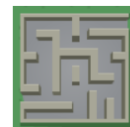| Know what the structure of coding language of LOGO |
|---|
| I can recognize the structure of the code in LOGO |
| |

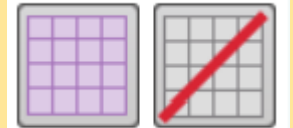| Know how input simple instructions into LOGO |
|---|
| I can write a line of code in LOGO |
| |

Know how to use and build procedures in LOGO
I can create a procedure in LOGO

Key Resources

Why are we learning this? / Why is this important?

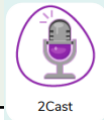| Why are we learning this?	Why is this important?
To be able to see different forms of coding language.	It is a way to experience different forms of coding.

Key Questions

What is Logo?

GGA Spring Computing Knowledge Organiser for Year Four: Sound Stories
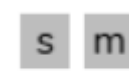
Vocabulary

Audiobook	A recorded version of a book that is read aloud.
Playback	Listening to a recording to check how it sounds and decide what to change.
Sound Technician	Someone who sets up and controls the equipment for recording or playing sound, making sure everything can be heard clearly
Editor	A person who checks and improves written work, videos, or sound recordings by fixing mistakes and making it flow smoothly
Track	A row or layer where a piece of sound (like speech or music) is added when using an audio recording tool.
Timeline	The area in an audio recording and editing tool where you can see and move your audio clips.
Sound Effects	A recorded sound other than speech or music that is added to make something more exciting or realistic.
Recording	Capturing sounds, voices, or music so they can be played back later.
Final Mix	The complete, polished version of your audio.

Skills that I am going to learn.

Understand what makes audiobooks effective and identify the key features that make them engaging
I can recognise good audiobooks and say why they are good
2Cast

Know how to record clear narration and add sound effects to an audiobook
I can use a clear talking voice and use sounds to help tell a story
Record

Know how to edit, improve and finalise an audiobook using recording and sound design tools
I can make improvements to my audiobook
Snip event

Why are we learning this?
So we can listen carefully to stories and information using technology

Why is this important?
It helps us improve our listening skills, understand stories better and use digital tools confidently

Key Images

Import audio file	Sound clip	Snip event	Go to start
Solo or mute track	Glue event	Record	Go to end

Key Questions

What is an audiobook?

What are the main advantages of an audiobook?

What is the process of creating an audiobook?

What are the main features of an audiobook?

GGA Spring Computing Knowledge Organiser for Year Four: Introduction to AI

Vocabulary

Artificial Intelligence (AI)	A type of technology that can make predictions, take actions and create content, by learning from data.
Generative AI	A kind of AI that makes brand new things (stories, images, etc.).
Automation	When machines or AI do tasks humans normally do.
Prompt	The instruction given to generative AI (like asking for a story or picture).
Digital Citizenship	Making smart, kind, and safe choices online, including how we behave when using AI.
Human Oversight	Humans being in charge, checking, and making rules for AI.

Skills that I am going to learn.

Know what Artificial Intelligence is and some of the tasks it can carry out

I can get AI to carry out a simple task with the desired outcome

Know how to communicate effectively with AI tools by writing clear and precise prompts

I can make more specific successful prompts that generate the desired outcome

Know how AI might develop in the future

I can list ways people may realistically use AI in the future
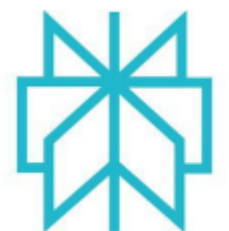
Key Resources

ChatGPT

Claude

Gemini

Perplexity

Why are we learning this?

To understand how computers can think, learn and help people in everyday life

Why is this important?

Because AI is used all around us, and learning about it helps us use technology safely and wisely in the future

Key Questions

What is Artificial Intelligence (AI)?

How can Artificial Intelligence help us?

What makes a good digital citizen?