

Computing - Summer 2 - Year 1

This term's eSafety focus is to learn the importance of gaming in a shared space and of taking break from gaming

Children will learn to use programmable toys.

In this unit children will:

- use their experience of gaming to contribute to a class discussion about what makes a responsible **gamer**.
- The children will adopt a safe gaming agreement that can be shared between school and home
- Be able to say what an **algorithm** is, and know why it is important to be precise when writing them.
- Be able to check their work for mistakes (**debug**)
- Be able to **program** a **Bee-Bot** using the arrow buttons;
- start their **programming sequence** again if they need to;

Prior Learning

EYFS Children are taught to go to an adult if problems occur and are taught not to press things they are unsure about.

EYFS have Beebots in the continuous provision.

Year 1 - Scratch uses algorithms.

Cross Curricular Links

Maths - direction

Literacy - writing instructions

Key Vocabulary

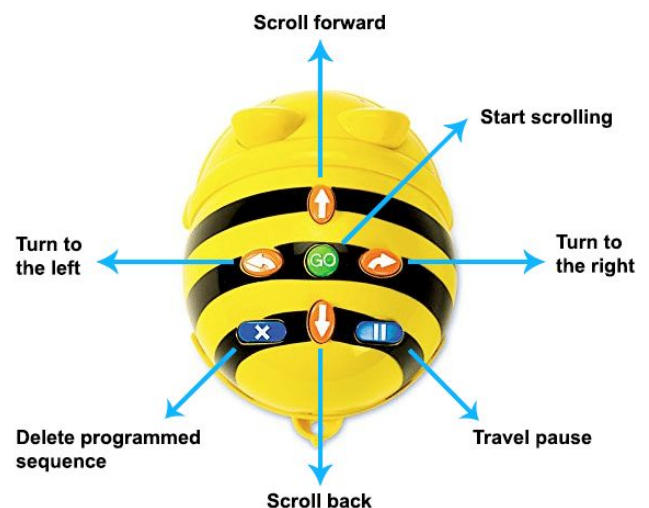
gamer - is someone who plays games on the computer or a handheld device

algorithm - a sequence of instructions

debug - to find the reason something won't work

program - a set of instructions

Bee-Bot - a type of programmable toy



SOME BEE-BOTS LOOK LIKE THIS TOO.



Key Knowledge

I know that when we use devices in school, we are together, either in the classroom - we play games in a shared space together.

I know that responsible gamers play in shared spaces at home too and with their trusted adults.

I know that to program a Bee-Bot, I press one instruction at a time, using the arrow buttons.

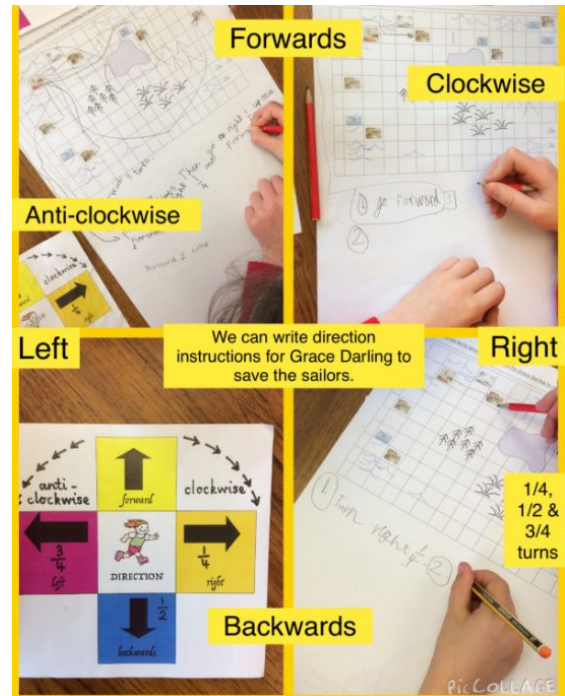
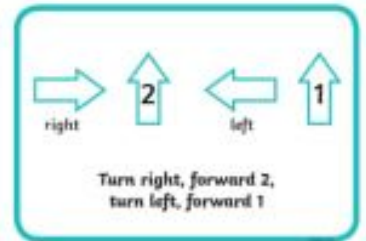
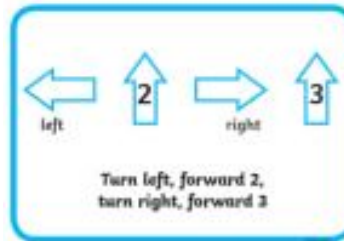
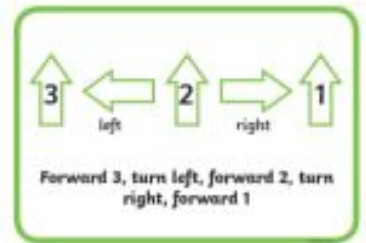
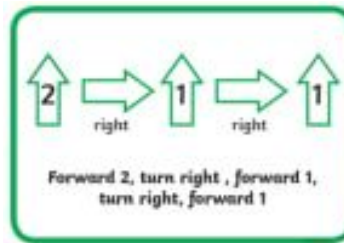
I know that I must press on the cross first, to delete (remove) the past algorithm.

I know that I can press on the cross to delete (remove) an **algorithm** if I make a mistake.

I know when I have finished pressing the buttons, I then press the green 'go' button.

I know that if the Bee-Bot doesn't do what I want it to, I need to work out what went wrong - this is called **debugging**.

I know that I have to write instructions down for other people to follow.



Key Questions

When I play a game, which room should I sit in? Why?

Why is it important to be with a trusted adult when playing online?

Can you make the Bee-Bot go forwards, turn right and go forwards again?

How can I remove the last algorithm?