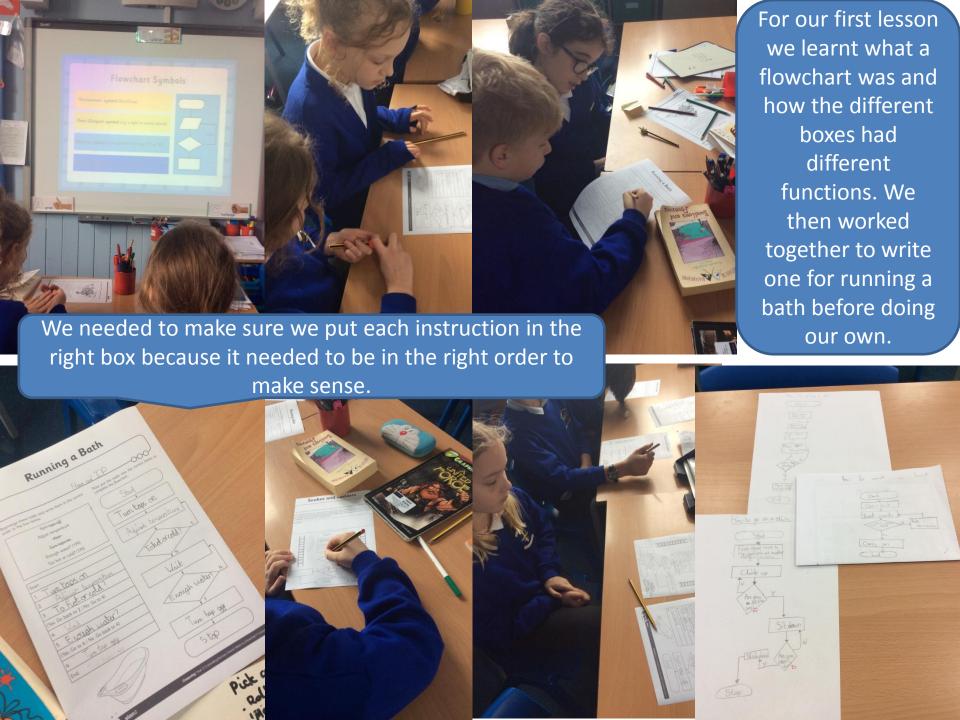
FLOWOL Computing

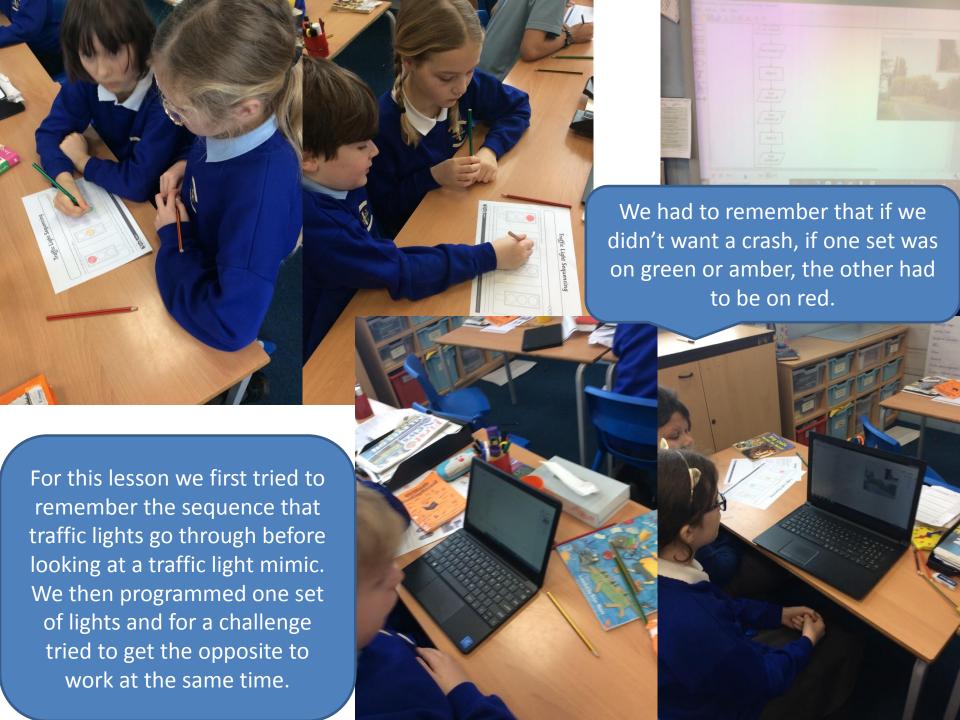


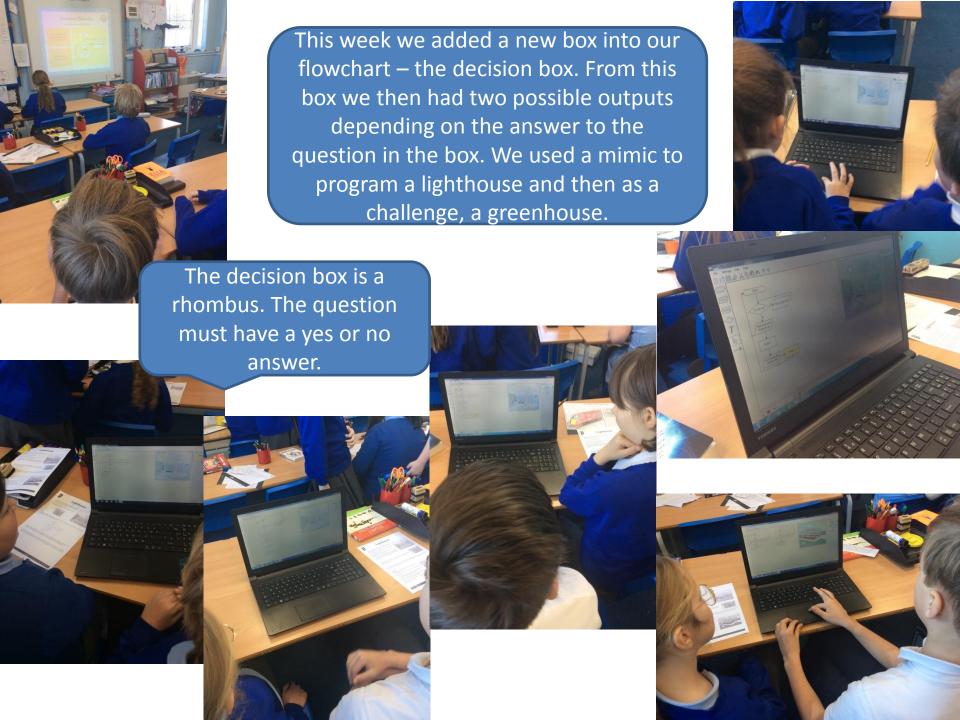


For this lesson we looked at how a flowchart can be completed on a computer to simulate a real life situation – a mimic. We did one for a pelican crossing and a school crossing.

The oval box is for start and stop. The parallelogram is for output. Delay is a rectangle.



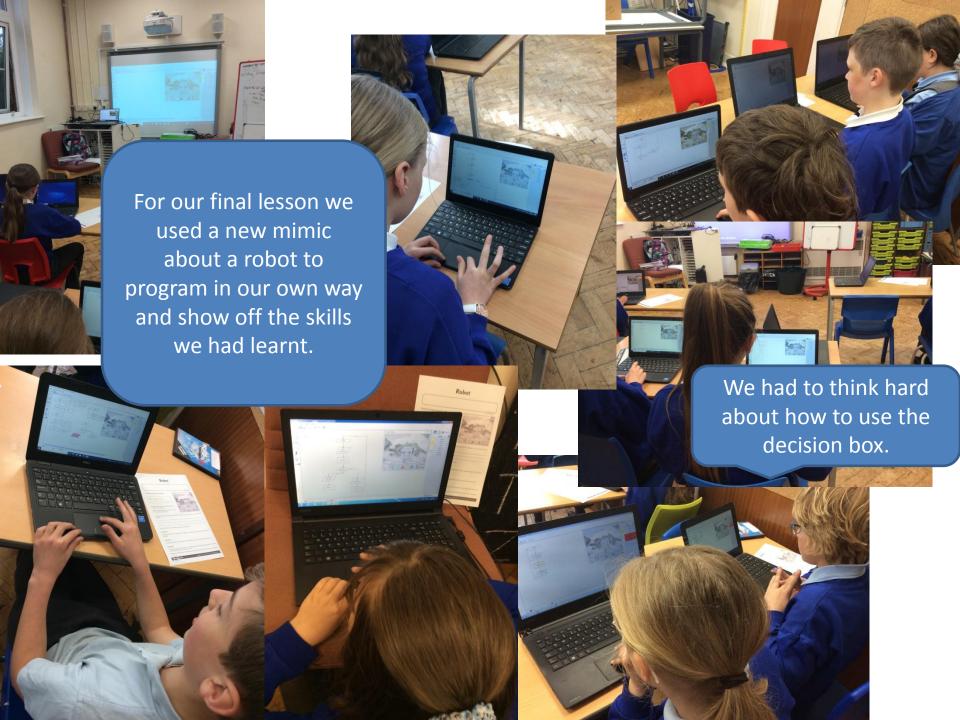






In this lesson we learnt about subroutines. We tried it first with people and then added it into our mimic.

A subroutine is when if something is happening, this should also happen.



Computing

FLE Y5/6

Flowcharts







What I have learnt before:

To use blockly

To program Beebots

To use repeating loops

Forever facts

Traffic lights, central heating on a timer and electric kettles are examples of computer controlled systems

Flowcharts as algorithms can be used to control devices

A flowchart can be designed to call a subroutine

Skills

To create a program to control a simple sequence

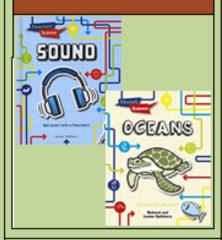
To create flowcharts for multiple inputs and outputs

To program inputs and outputs

To use decisions and subroutines

Cultural Capital: The real life knowledge that links is: Knowing where flowcharts are used in real life. The jobs it can be used in are: entertainment, engineering, physical sciences

Exciting Books



Our Endpoint

To design, write and debug my own flowchart program for a given task

Subject Specific Vocabulary

flowchart	A diagramthat shows a process, system or computer algorith
algorithm	A set of instructions for a computer, split into little steps
output	Information that comes out from a computer
input	Data providedto a computer
simulation	Using computers to imitate real-world scenarios
control	The ability to run something on a computer
subroutine	A sequence of program instructions that perform a specific task
symbol	An object that stands for something else
process	A series of actions that are carried out to achieve a particular result
decision	Making a choice