

# COMPUTER Computing SYSTEMS

Summer 1 2022

Class Lynher

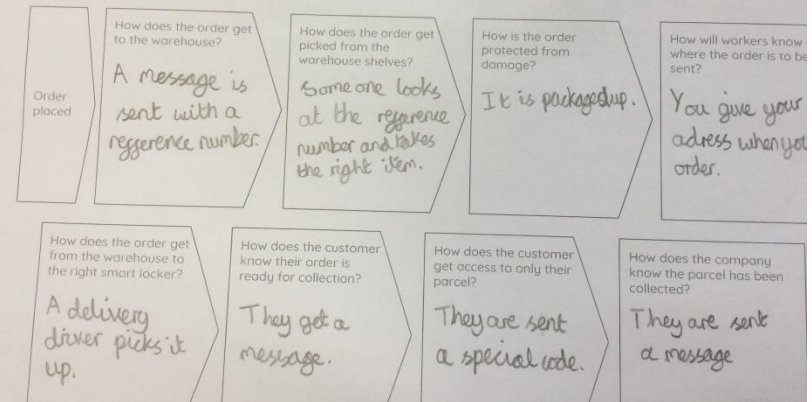
In this lesson we learnt what a system is and what a computer system includes.

#### Activity 1

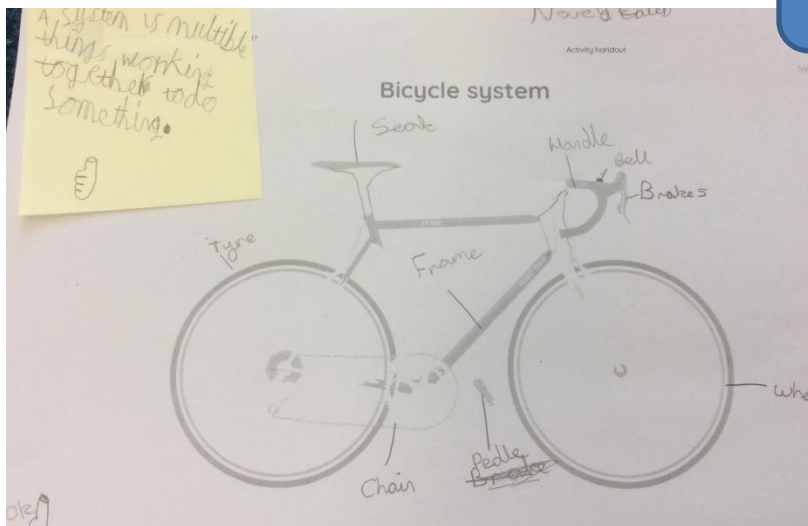


The handlebars are connected to the front fork. Moving the handlebars allows the rider to steer the bike. This could be called the steering system.

#### Smart locker



We learnt that many things had a type of system including humans, animals, bicycles and not just computers.



#### Computers in a system

This locker allows customers to collect items they have ordered online.

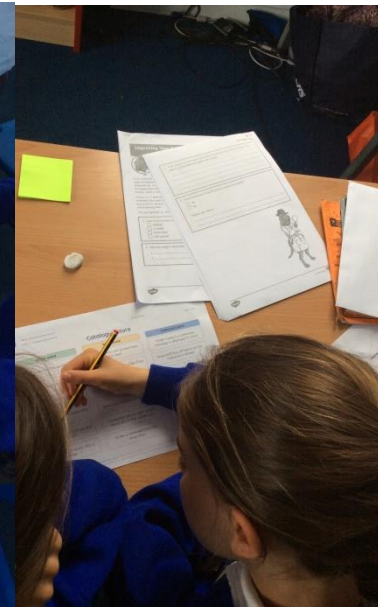
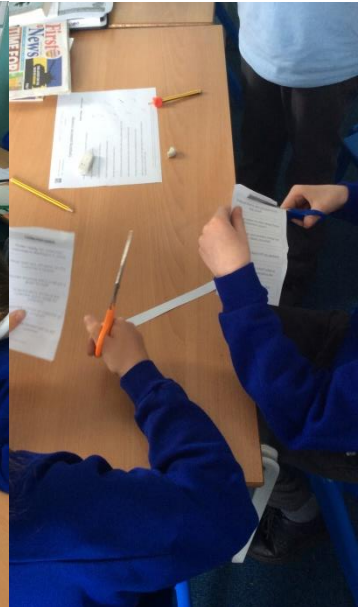
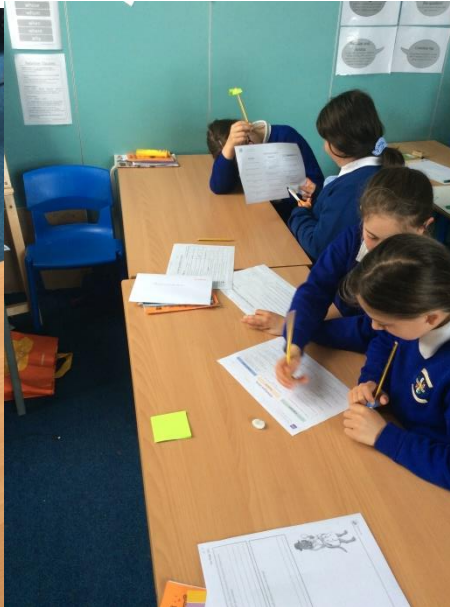
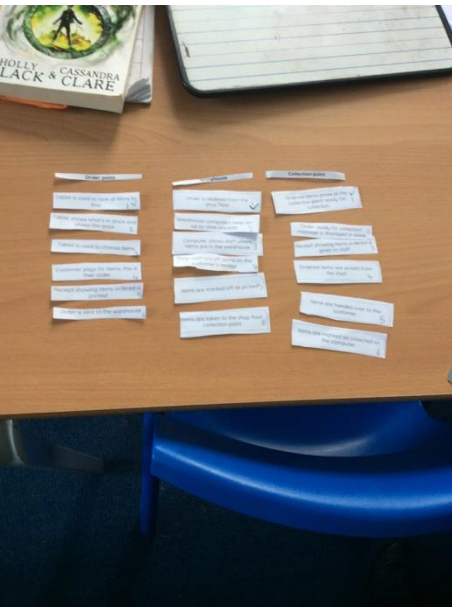
The customer is sent a code, which they can scan or key into the locker.

Describe what you think happens after the customer places their order.



Next we learnt about how larger computer systems work and how the devices and processes are connected.

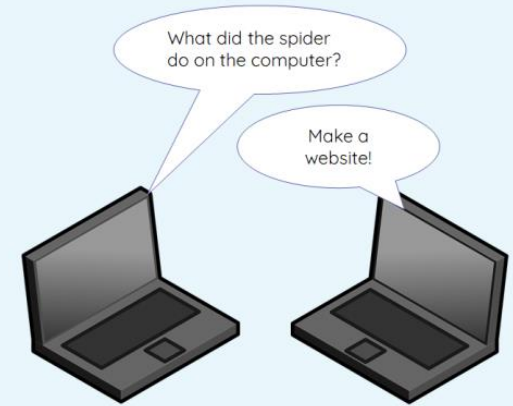
We found out that there is a camera that controls when a pedestrian crossing stops and starts. There is a sensor on some crossing panels to help blind people.



For this lesson we learnt about how the different parts of a computer system are not always in the same country and how the internet is used to transfer information.

## Communicating

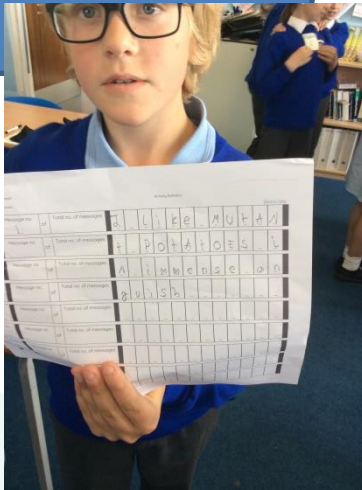
- A message
- From someone, to someone (e.g. a speaker and a listener)
- Taking turns
- Understanding (same language)



Computers communicate using agreed **protocols**

How interesting how the text managed to travel so far in so little time.

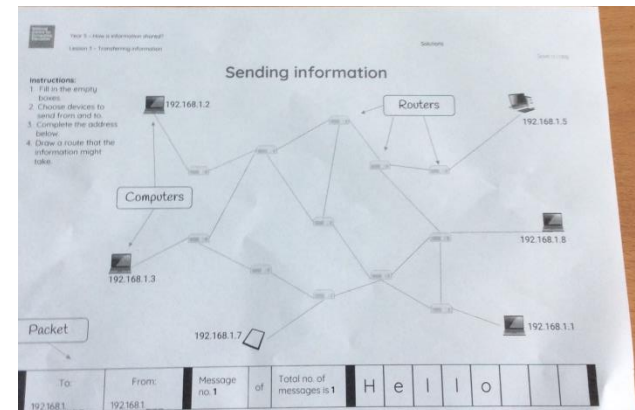
## Sending messages



To:	From:	Message no.	of	Total no. of messages.	H	i	,
10	7	1		2			

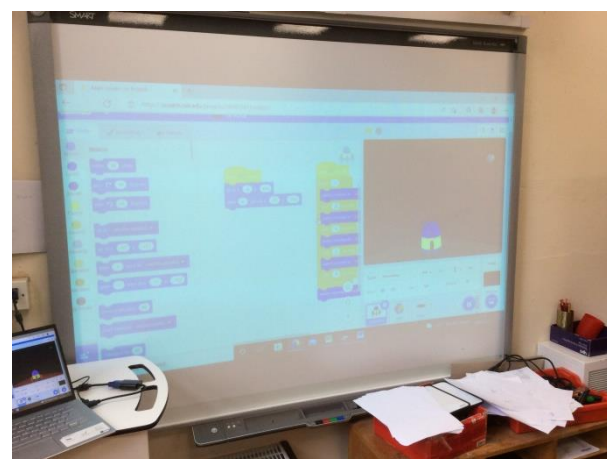
To:	From:	Message no.	of	Total no. of messages.	a	r	e
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Filled in, it might look like this



We looked at how online working can be useful in working together and how you can modify work done by somebody else.

We learnt that anyone could draw a picture and then use the internet so that another person could then add to it.



Cultural Capital: The real life knowledge that links is: How the internet works  
The jobs it can be used in are:  
Any company using computer systems



What I have learnt before:

What the internet is

Inputs and outputs on

Flow

### Forever facts

Systems are built using a number of parts

A computer system features inputs, processes and outputs

Networked digital devices have unique addresses

Data is transferred over networks in packets

Connected digital devices can allow us to access shared files stored online

The internet can enable effective collaborations

### Skills

I can add, amend and combine different forms of information in different ways

I can work with various forms of input and output

I can explain the benefits of a computer system

I can identify tasks that are managed by a computer system

### Exciting Books



### Our Endpoint

To collaborate on an online project

### Subject Specific Vocabulary

collaboration	an instance where two or more people work together to achieve a common goal
system	a number of things that work together to complete or perform a task
output	Information that comes out from a computer
input	data provided to a computer
connection	two or more devices successfully sending and receiving information
digital	when something is done, saved, or stored on a computer or other electronic device
packet	a segment of <u>data</u> sent from one computer or device to another over a <u>network</u> .
protocol	a set of rules or procedures for transmitting data between electronic devices
process	a series of actions that are carried out to achieve a particular result