



# SCIENCE MUSEUM

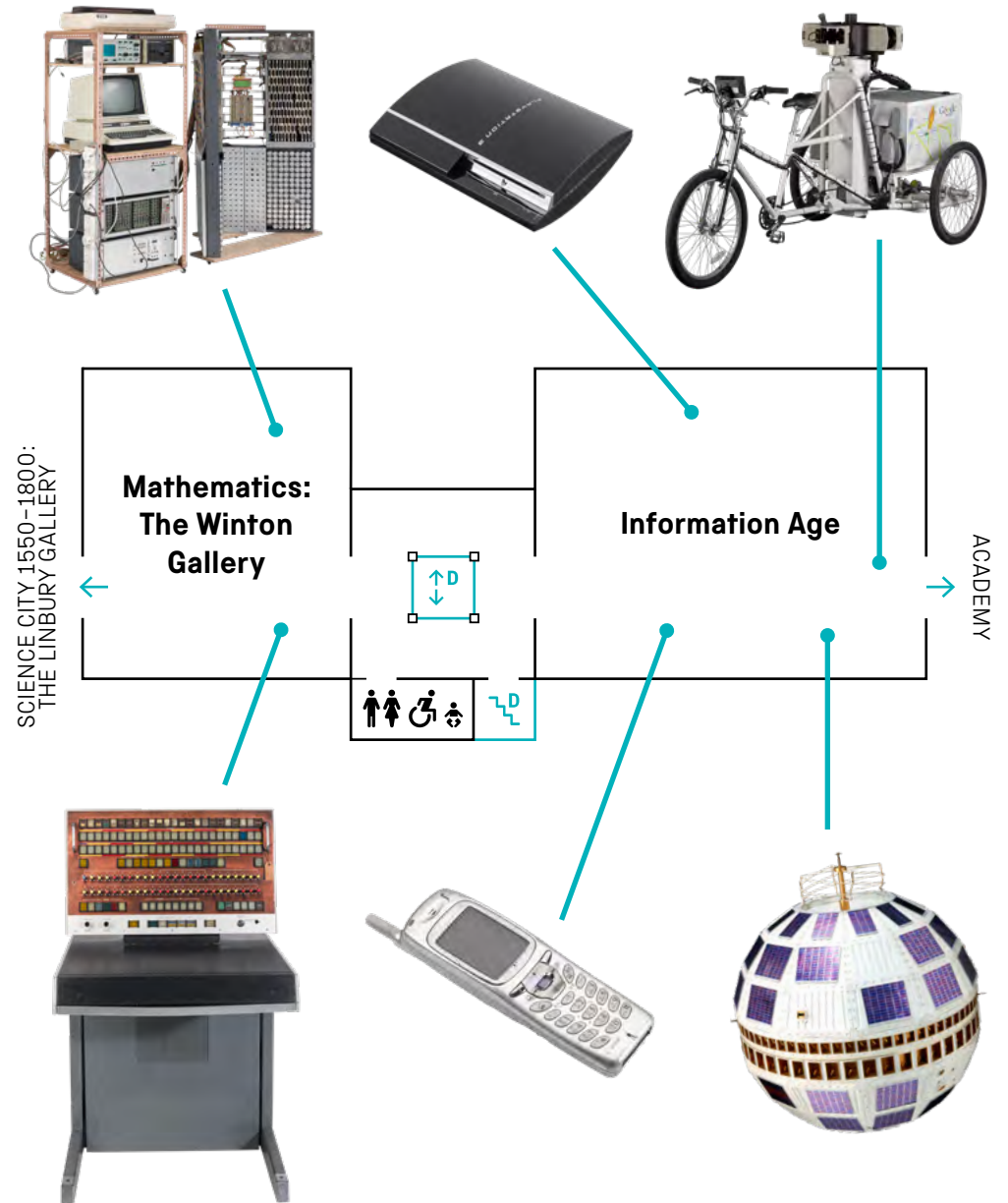


# ACTIVITY TRAIL

## COMPUTING

<b>EXPLORING</b> 	Ages <b>7-11</b> <b>11-14</b>	Topic <b>COMPUTING</b>	 <b>30 MIN</b>
	Skills used <b>CURIOSITY • DISCUSSION • OBSERVATION</b>		

## Map of Mathematics: The Winton Gallery and Information Age

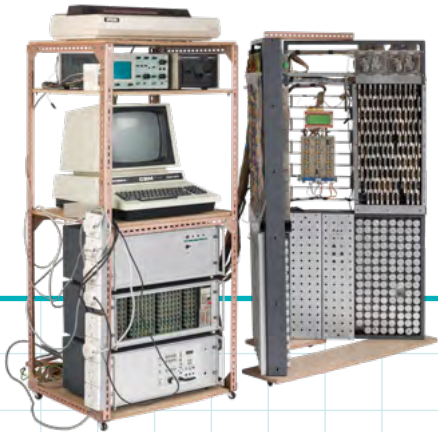


## Making predictions

### Find the electronic machine for modelling storm surges

This machine used advanced computer programs to predict storms and give people living near the coast an early warning of a dangerous storm.

By counting how many people enter the *Mathematics* gallery in one minute, can you predict how many people will enter the gallery in the next three minutes? How could you make your prediction more accurate?



Try this



## Solving problems

Try this



### Find the Atlas computer

Ferranti Atlases were the fastest computers in the world when released in 1962.

How quickly can you solve a problem? Line up and compare the size of everyone's feet. Moving one person at a time, how quick can you arrange everyone into size order?

## Keeping in contact

### Find the Sharp J-SH04 mobile phone

Mobile phones have changed rapidly since they were invented, with modern phones being able to do much more than just make calls.

Look closely and see what differences you can find between this and other phones nearby. What would you like your next phone to be able to do?

Look closer

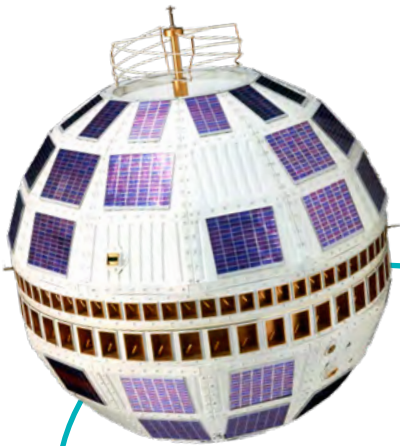


## Transmitting information

### Find the replica of the Telstar 1 satellite

In 1962 Telstar 1 became the world's first commercial communications satellite. It sent television pictures and phone calls.

See if you can get a message to someone on the other side of the gallery without talking.



Try this 

## Finding our way

Try this 



### Find the Google Street View trike

Street View provides panoramic views of streets across the globe. The trike collects images from places where cars cannot fit.

This provides us with information which helps us to find our way around.

Using simple step-by-step voice commands, direct a friend to walk in a perfect square. They must do exactly as instructed.

## Playing games

### Find the Sony PlayStation 3

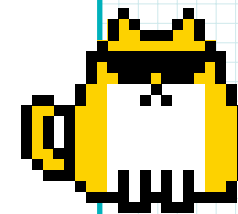
The PlayStation 3 was the first console with 720-pixel graphics.

Images on a computer screen are made up of pixels. The more pixels, the more realistic an image will look.

Design a character for your own computer game using the pixel grid.



Imagine 



# Seek and find...

The *Information Age* gallery explores more than 200 years of innovation in communication technologies.


How many of these objects can you find?

## Talk about

What do you think your life would be like without computers?


How do you think computers will help your journey home?

**Gold-plated BBC Micro**

 1 point




**IBM 360/195**

 3 points




**Computer mouse prototype**

 2 points




**N64**


 3 points



**Mobile phone base station cactus**

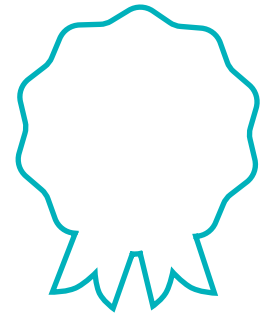
 1 point

**AN/PSN-8 Manpack GPS receiver**

 2 points



## Points



Add up your points – what's your score?