

# Computer Technology

## Welcome

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### **Hi there Year 6**

My name is Mr. Bristow and I'm a Computer Technology teacher here at Cavendish School. (Please make sure you've watched my welcome video).

### **Do you know how the Internet works?**

Wow! Certainly a huge complicated topic. But the theme of this mini taster lesson is exactly that question. Do you actually know how the Internet works?

Streaming a movie, playing an online game, or browsing on your smartphone.

Do you have a basic idea of what is happening with your technology?

### **My aim for this mini taster lesson:**

In your year 7 lessons you will be learning about how computers communicate, and understanding more about how the Internet works. Today is to get you thinking:

[\(turn to the next page for your activities\)](#)

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## Activity 1 - A quick warm-up investigation

Ask a family member (or a friend) the following question right now:

**“In less than 2 minutes, explain to me how the Internet works”** OR

**“In less than 2 minutes, draw a diagram/picture that explains how the Internet works”**

Most people may not be able to give you a clear answer. Some people may give you a very technical and complicated answer. But give it a try.

### How many of these interesting facts came up in your investigation?

- The Internet, as we know it today, was started in 1983.
- The Internet was specifically designed so it would still work even if most of it got destroyed in a global nuclear war. That fact is still true today.
- The Internet is NOT the World Wide Web. These are two completely different things.
- Every time you watch a Youtube video your movie gets sent across the Atlantic ocean from the USA to the UK in a cable that is sitting at the bottom of the sea. [Here's a map of all the sea cables](#) that connect all the computers in the world.
- It is estimated that, across the world, there are nearly 40 billion computers, smartphones, consoles and devices communicating across the Internet at any one moment in time.

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## Activity 2 - Find out more about how the Internet works

1. Go to [this BBC Bitesize learning web page](#).
2. Watch the "How does the Internet work?" video.
3. Read the rest of the information on the page.

## Activity 3 - Time for a quiz

[Click here to try my quiz](#) (all about our amazing global Internet).

## See you in September year 6s...

Looking forward to teaching you more about how all our computers and devices connect together from all around the world, our amazing Internet.