

# Y4 Geography 22/2/21

Please note that there is a worksheet to be completed as you work through this lesson.

Today, we are going to think about another way that the world is connected: by **technology**

- Have you heard this word before?
- Can you define it? Can you find a definition in a dictionary?
- Can you give some examples of technology you might find in:

school

your house

# Example answers

A dictionary definition of technology is: *machinery and equipment developed from the application of scientific knowledge*

A simpler way of saying this is: *machines*

Examples of technology at school:

*Interactive whiteboards, computers, printers, scanners, internet server, telephones...*

Examples of technology at home:

*TVs, DVD players, computers, games consoles, phones, tablets,*

Technology has always existed. It has become more advanced over time as scientific knowledge has developed.

A big change occurred in technology at the beginning of the 21<sup>st</sup> century (the year 2000): **the internet**.



What *is* the internet?

This seems like a strange question. We all use the internet – but do you really know what it is? Can you explain it? Don't worry if you find this difficult. An example answer is given on the next page.

# The internet is...

The internet is a huge network of computers all connected together. The world wide web ('www' or 'web' for short) is a collection of webpages found on this network of computers. Your web browser uses the internet to access the web.

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If that's a bit confusing, here's another way to think of it:

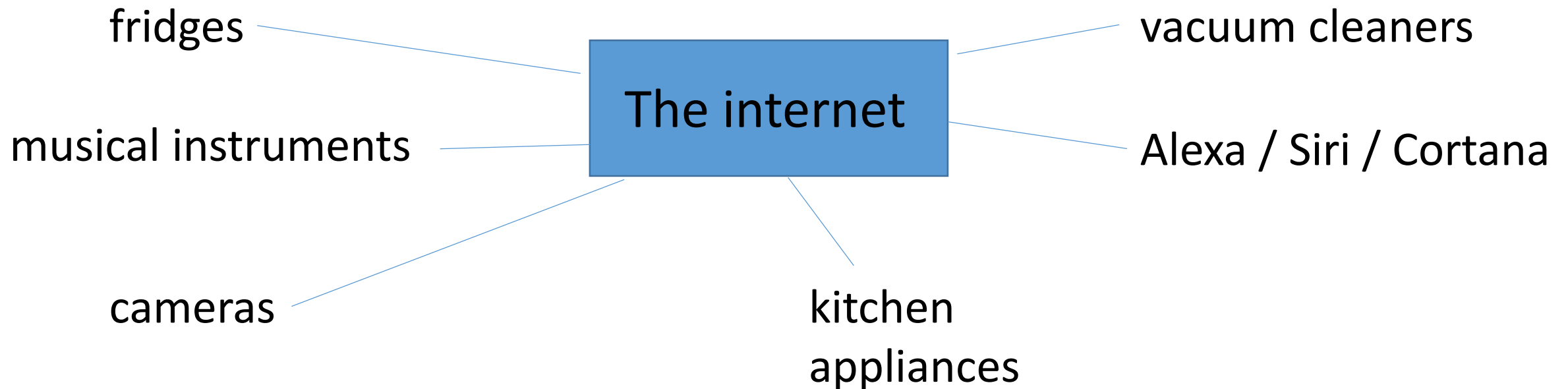
The internet is like another world. Each different webpage or app is a place in that world. Devices like computers, phones and tablets are the vehicles that take us to the world of the internet.

How do you visit the internet? What do you do there?

Do you connect with other people on the internet? How and why?

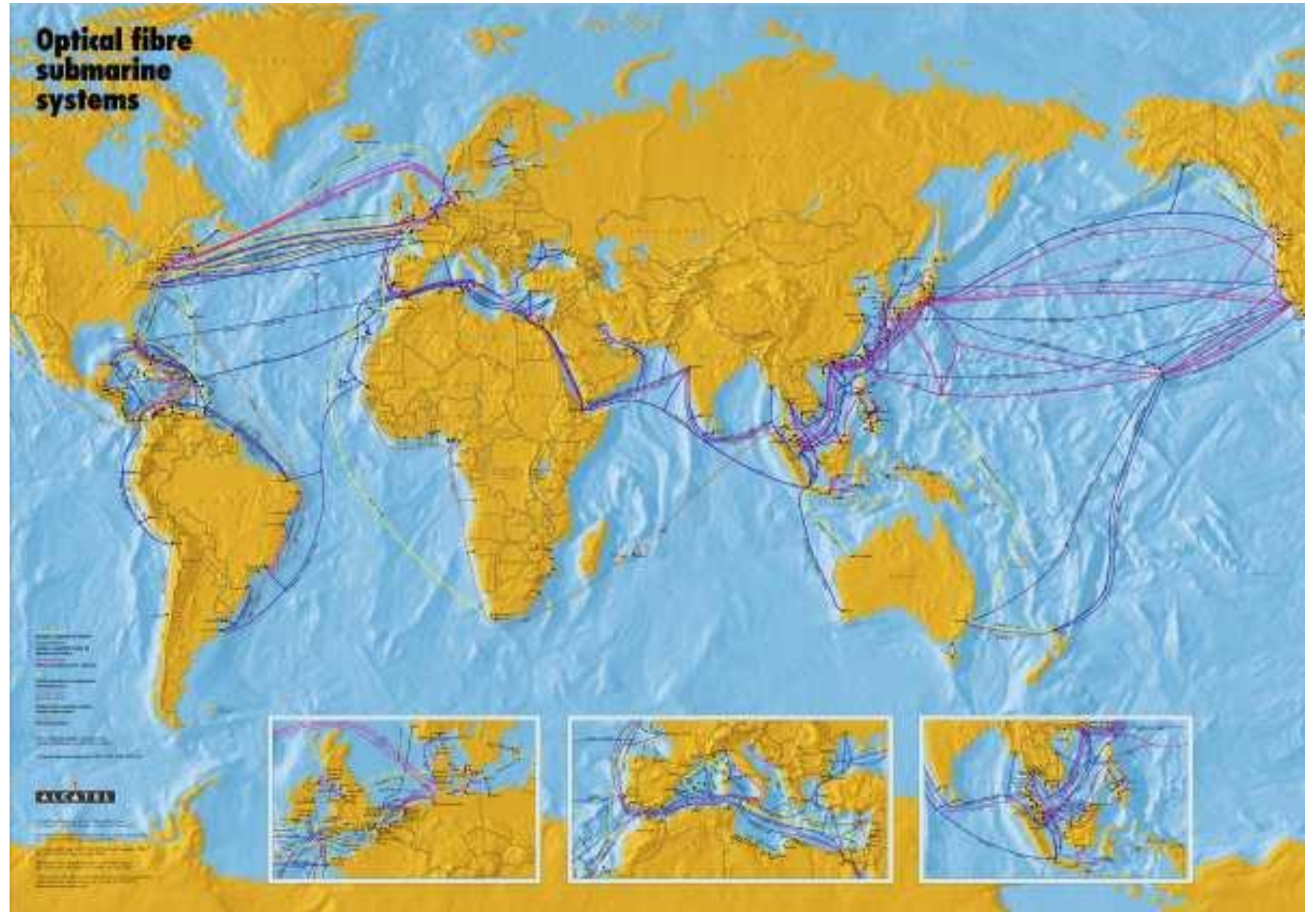
The internet has grown and developed over time, as computers have become more powerful and people have got better at designing new technology.

One way that the internet has developed is **that more and more devices are now connected to the network**. Lots of new technology can be connected to the internet. This is sometimes called the **internet of things (IoT)**.



This map shows how cables connect computer networks together.

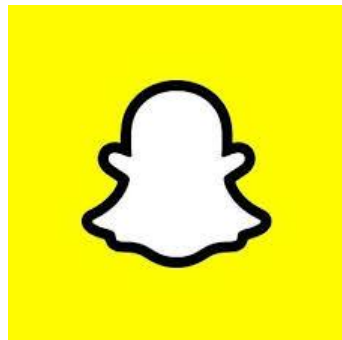
The coloured lines show underwater cables that cross the oceans and connect computers in different parts of the world.





# How does the internet connect people?

The internet has made lots of new connections between people possible. Can you think of how you have used the internet to connect with people?



We have looked at three ways that the internet makes the world connected:

- 1: The internet is a huge **network of connected machines and devices**.
- 2: There are **cables under the seas** that connect the computers in different countries together.
- 3: **People** can connect with each other through the internet.