

# Lesson 3: Sharing information

Year 4 – Computing systems and networks – The internet



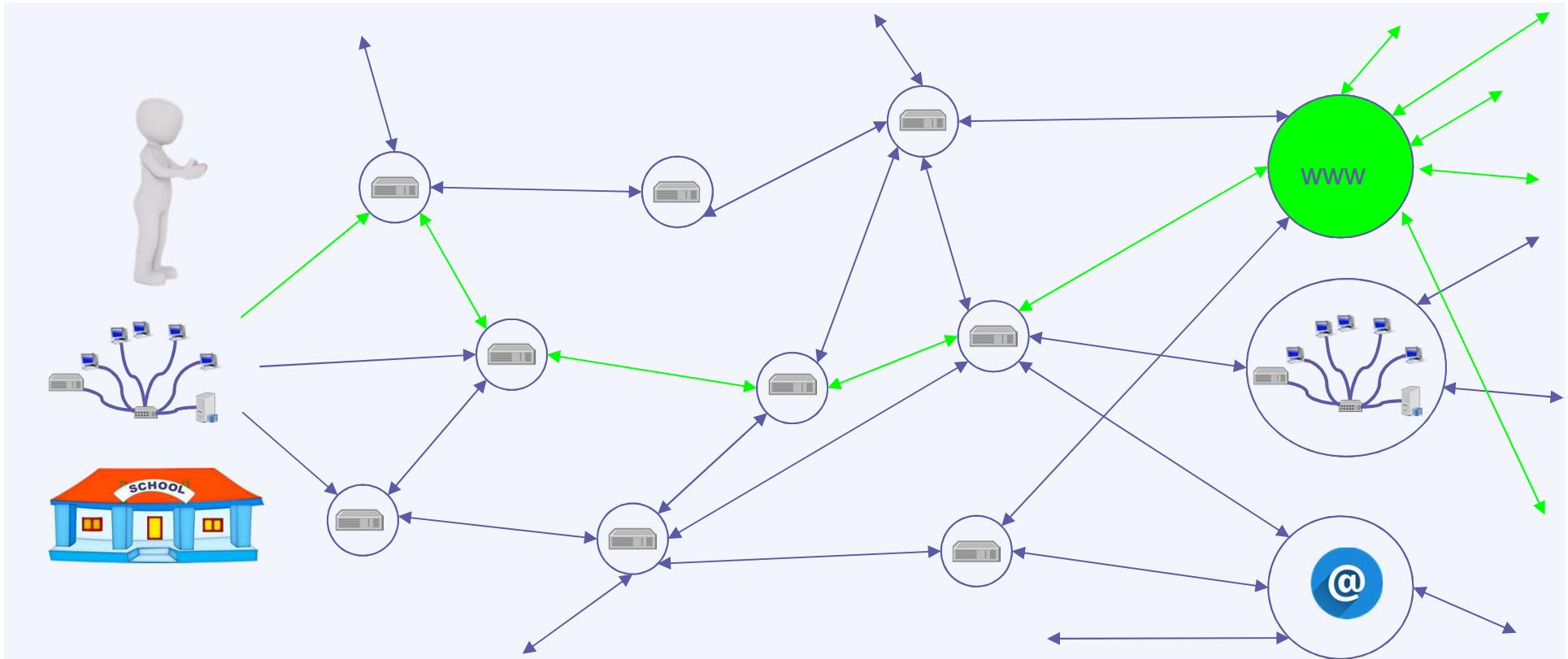
Raspberry Pi

## By the end of this lesson:

**To outline how information can be shared via the World Wide Web (WWW)**

- I can explain the types of media that can be shared on the WWW
- I can describe where websites are stored when uploaded to the WWW
- I can describe how to access websites on the WWW

## Introduction



The internet is connected by lots of **routers**. The **World Wide Web** is part of the **internet** where we can visit **web pages** and websites.

## Can this be shared on the World Wide Web?



A sandwich

## Can this be shared on the World Wide Web?



A movie trailer

## Can this be shared on the World Wide Web?



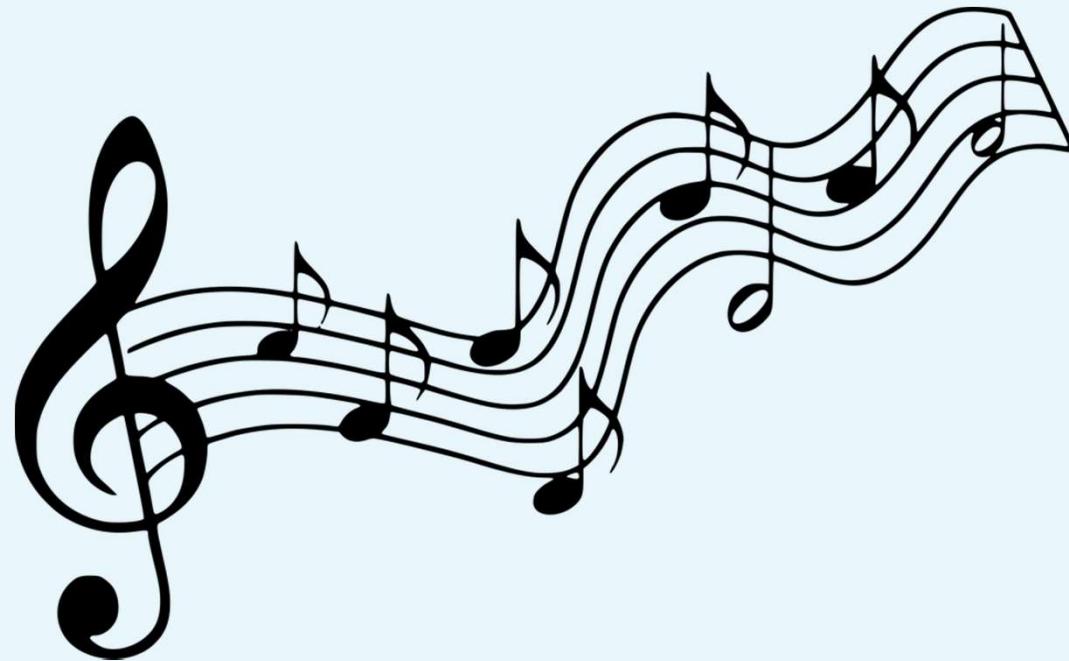
A dog (an actual, real dog)

## Can this be shared on the World Wide Web?



A collection of photos

Can this be shared on the World Wide Web?



A song

## Can this be shared on the World Wide Web?



A book

Have a look at this web address:

**www.bbc.co.uk**

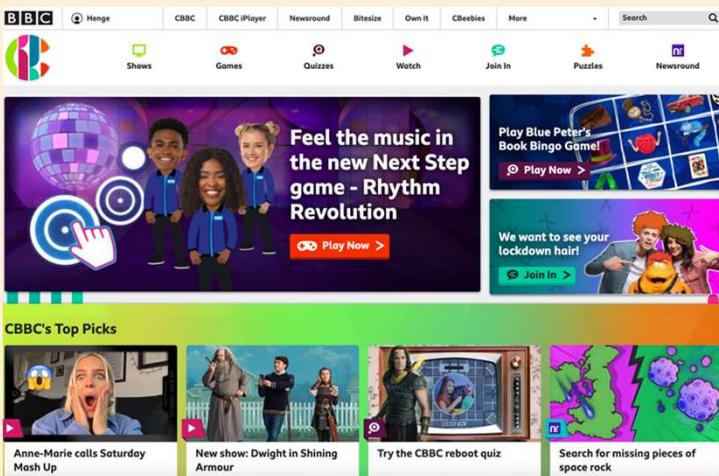
This stands for  
'World Wide Web'

This is the domain name  
(bbc.co.uk)

## Activity 2

# Where were these websites created?

[bbc.co.uk/cbbc](https://www.bbc.co.uk/cbbc)



[letour.fr](https://www.letour.fr)



The address of the website gives you a clue.

## Here are the ends of some web addresses

Some tell you more about the content of the website. What do you think these mean?

- .gov
- .com
- .sch

Some tell you where the website may originate from. Where do you think these are from?

- .co.uk
- .mx
- .fr

## Here are the ends of some web addresses

Some tell you more about the content of the website. What do you think these mean?

- .gov = government
- .com = company
- .sch = school

Some tell you where the website may originate from. Where do you think these are from?

- .co.uk = United Kingdom
- .mx = Mexico
- .fr = France

## Where are websites hosted?

Most websites are hosted in large data centres.

Data centres are large buildings full of powerful computers.

Some of the largest data centres are owned by companies such as Google, Amazon, Apple and Microsoft.



## Where are websites hosted?

Google is based in the USA, but has data centres distributed around the world.

Visit [www.google.com/about/datacenters/locations/](http://www.google.com/about/datacenters/locations/).

Are any near you?

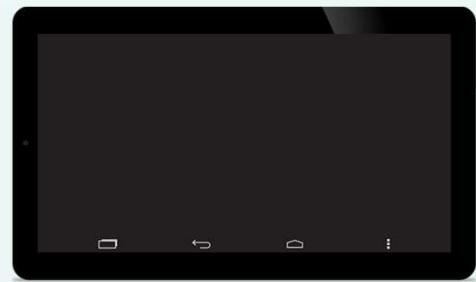
If a website is created in France or the UK, it might not be stored there.

## Where are websites stored?



Websites are stored  
all around the  
world.

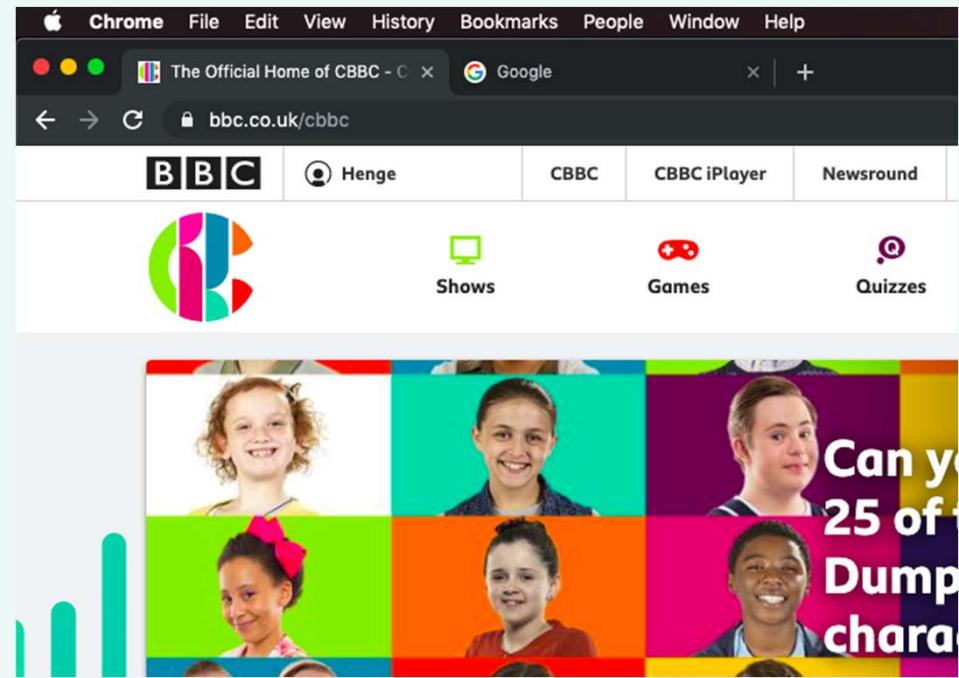
## How can I access the World Wide Web?



## What is a web browser?

Google Chrome lets you look at (browse) web pages on the internet.

Chrome can be found on many computers and mobile devices.



## Web browsers

Safari



Chrome



Opera



Internet  
Explorer /  
Edge

Firefox

Which web browsers have you used?

## Question 1: Which of these is correct?

A

The internet is part of the World Wide Web

B

The World Wide Web is part of the internet

C

The World Wide Web and the internet are the same thing

## Answer 1: Which of these is correct?

A

The internet is part of the World Wide Web

B

The World Wide Web is part of the internet

C

The World Wide Web and the internet are the same thing

## Question 2: What is a router?

A

A device which directs information around the internet

B

A place where websites are stored

C

A device used for viewing websites

## Answer 2: What is a router?

A

A device which directs information around the internet

B

A place where websites are stored

C

A device used for viewing websites

**Question 3: A device needs to have a \_\_\_\_\_ in order for you to be able to access the World Wide Web.**

A

Router

B

Search engine

C

Web browser

**Answer 3: A device needs to have a \_\_\_\_\_ in order for you to be able to access the World Wide Web.**

**A**

Router

**B**

Search engine

**C**

Web browser

## Question 4: Which of these is a web browser?

A

Facebook

B

Google

C

Chrome

## Answer 4: Which of these is a web browser?

A

Facebook

B

Google

C

Chrome

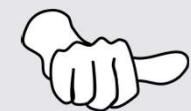
## How confident are you? (1–3)

- I can explain the types of information that can be shared on the WWW
- I can describe where information is stored when uploaded to the WWW
- I can describe how to access information on the WWW

3 – Very confident



2 – Unsure



1 – Not confident



## Next lesson

### In this lesson, you...

Learned about what can be shared on the World Wide Web

Found out where websites on the World Wide Web are stored

Learned how to access the World Wide Web

### Next lesson, you will...

Look at what websites consist of

Recognise that you can add content to the World Wide Web

Create some of your own content on the World Wide Web