



Week 5 Y4 Discovery

Science: States of Matter

Lesson One: Review What are the states of matter?

<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zsgwwxs>

Following on from last week, write the main properties of gases in your book

Find out: True or false:

1. The particles in a gas are further apart than in a liquid.
2. A gas fills the container it is in

Lesson Two: Can you see gas? Does gas weigh anything?

Try these experiments:



BALLOON BLOW UP! EXPERIMENTING WITH GAS - SCIENCE SUNDAY
783,009 views · 4 Aug 2013

https://www.youtube.com/watch?v=bP7xgV07glc&list=RDCMUCkG0mk8MzPJmdHrKqS6vAFw&start_radio=1&t=170

Does gas weigh anything?

Part of Science | [Health, Sports and Green](#)
Duration 01:27



Description **Classroom Ideas**

What does gas weigh? A group of children investigate whether they themselves are heavier than the same volume of air. Although gas is very light, it still has mass. The 'fluffy' air, which contains carbon dioxide gas, is therefore heavier than the flat air. Gases can be either heavier or lighter than air.

<https://www.bbc.co.uk/bitesize/clips/zhbvg>

Marvellous Materials



For the next few weeks, our Discovery learning is going to be linked to Our science topic and The Iron Man

VE Day – Friday 8th May

VE Day, or 'Victory in Europe Day', marks the day towards the end of World War II when fighting against Nazi Germany in Europe came to an end.

Have a go at some of the VE Day activities on the next page...



Earth School



Find the activities for Earth School in your Distance Learning and start your quest

Art

How to draw a river landscape



AWESOME DRAWING TRICKS FOR KIDS

Online safety- watch these brilliant articles from Newsround

<https://www.bbc.co.uk/newsround/52228461>

VE DAY

The project this week aims to provide opportunities for you to learn more about VE Day. Choose one or more activity a day to explore. Be creative about how you present your work.



'Stay At Home' Street Party

Read this article on [Newsround](#) and look closely at the photographs. **How did people celebrate in 1945? Plan your own 'stay at home' street party.** What games could be played? What decorations would be put up? What food would be eaten? Who would be there? Is there anyone in your family who went to a VE Day party you could speak to?

For something more simple, you could design your own **VE Day party invitation** or create your own **Union Jack flag bunting** or make a Union Jack flag out of Lego!

Understanding World War Two/VE Day

On 8th May 1945, Britain celebrated the end of World War Two. To understand why VE Day was so important, you need to understand WW2. Visit these sites to help in your research:

- [Primary Homework Help - WW2](#)
- [A Brief Overview of World War II](#) – Video
- [BBC Teach - VE Day](#)
- [What Is VE Day?](#)

Can you create a timeline of important events leading up to VE Day?

Wartime Recipes

With one rationed egg and a packet of powdered milk in the larder, World War II's home cooks had to be creative. Find out what families were eating over 75 years ago.

Create some delicious meals using the recipe booklets below. You could serve them at your 'Stay at Home Street Party!'

- [Wartime Recipe Booklet](#)
- [Wartime Ration Recipes](#)
- [WW2 Cake](#)
- [Wartime Scones](#)
- [Jam Tarts](#)



Crack The Codes

A	Alfa	N	November
B	Bravo	O	Oscar
C	Charlie	P	Papa
D	Delta	Q	Quebec
E	Echo	R	Romeo
F	Foxtrot	S	Sierra
G	Golf	T	Tango
H	Hotel	U	Uniform
I	India	V	Victor
J	Juliett	W	Whisky
K	Kilo	X	X-ray
L	Lima	Y	Yankee
M	Mike	Z	Zulu

Phonetic Alphabet

The phonetic alphabet that was used in RAF transmissions during the war. Learn to spell your name using the phonetic alphabet e.g.

Ted = Tango Echo Delta

Morse Code

Morse code is a communication system that represents the

alphabet and numbers with a series of dots, dashes or a combination of both as shown [here](#). Watch this video to find out more about [Morse Code](#).

Can you write a secret coded message for your family to crack?



VE Day Songs

Try and learn the Horrible Histories [VE Day song](#) and perform it to your family.

Create your own motivational song. Listen to some of the following clips for inspiration. Click [here](#) to listen to some more traditional war time songs as well as the links below.

- [Wartime song lyrics](#)
- [Run, rabbit, run!](#)
- [Long way to Tipperary/ Pack up your troubles](#)
- [We'll meet again](#)
- [The White Cliffs of Dover](#)

Learn [step-by-step](#) how to Swing dance (The Lindy Hop) which originated in the late 1920s and early 1930s in Harlem, New York City.

Winston Churchill



Who was Winston Churchill? Why do we remember him today? Produce a fact file/ poster displaying your information.

Create a mind map or list of facts about Winston Churchill.

What was his job?

Why was he so important during WW2?

What was one of his famous phrases?

Can you describe his characteristics?

Why he was important?

You can read more about Churchill using these links from [Twinkl](#) and [Ducksters](#). You may present this information in any way you choose or use this [template](#).

CHALLENGE: Can you learn Winston Churchill's [Victory speech](#) and record yourself presenting it?

Make, Do and Mend

During WW2, there was a shortage of materials to make clothes. People were urged to "Make, do and mend".

Do you have any clothes or accessories that you could 'upcycle' into new clothing or something completely different to give it another purpose and a new lease of life?



Europe during the Second World War

Colour in the countries on the map ([here](#)) according to whether they were Allies, Axis, Axis controlled or Neutral.

You could print the map from Twinkl (code [UKTWINKLHELPS](#)) or create a list.

[NatGeo Kids - WW2 History](#)



Spitfire Science

Design and make your own Spitfire. You could make it out of paper, wood, recycled materials, etc. Test out your design. How far does it glide?

Does the material used for a paper plane affect the distance it travels? Try using newspaper, card, tinfoil, etc and carry out a test. Remember, only change ONE thing to make it a fair test.