


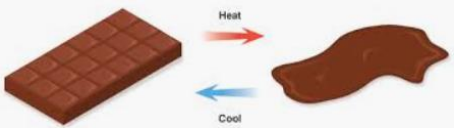
Lower Key Stage 2 Home Learning- w/c 08.06.2020 (A4 version)

Daily activities:

English worksheet	Maths video and worksheet	Reading Plus	TTRS	PE session	An activity from the choices below.
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New learning:

This week's themed learning continues to be around our new topic of **states of matter**.

<p><u>Task 1: Science video/investigation</u> Does air have weight? Watch this video to find out. Maybe you could try the investigation for yourself at home.</p>	<p><u>Task 2: Science investigation/ DT</u> Using the worksheet below, make observations and use our new scientific vocabulary while making some delicious chocolate cornflake cakes. This recipe requires you to add a small amount of butter with your chocolate.</p>	<p><u>Task 3: Science vocabulary</u> Complete the cloze activity on page 3 to show your understanding of the scientific vocabulary used in this topic (it is editable so you can type in your answers on the sheet).</p>
<p><u>Task 4: irreversible changes</u> Watch this video to find out what changes to matter you cannot reverse (put it back to its original state of matter). Can you make a list of what are irreversible changes? (e.g., frying an egg turns a liquid to a solid and you cannot undo this)</p> 	<p><u>Task 5: reversible and irreversible changes</u> An ice-lolly can melt and turn into a liquid but freezing it can make it solid again. This is a reversible change (you can put it back to its original state of matter). Look at the images on page 5. Can you identify which changes are reversible?</p> 	<p><u>Task 6: Kahoot Quiz</u> Kahoot! With just over two learning weeks based on states of matter, it is time to test your knowledge. Go to Kahoot, click 'Play' and use the Game PIN 07980159. <u>Task 7: independent study</u> Any questions you did not get right- make that the focus for your independent research before trying the Kahoot quiz again. Can you keep going until you get full marks?</p>

Sticky knowledge:

<p><u>Current events and History:</u> I am sure you are aware of the injustice that occurred in the USA last week and the protests happening across parts of the world in memory of Floyd George. It has highlighted to the world that there is still injustice occurring around people of colour. Martin Luther King Jr began a movement in 1963 for equality. Watch this video and this video to see his speech and the impact of it. What are your dreams for society? Edit a bubble on the final page or write your own speech or even rap song like this one. What fairness would you like to be in the world as you get older and have children?</p>	<p><u>Science:</u> Draw around your body on a large piece of paper (maybe there is some rolled up wallpaper in the house that you don't need). Draw all the bones that you know. Check your answers by watching this video. Add any bones you forgot.</p>	<p><u>Geography:</u> Think back to your study of Jamaica, Iceland and the UK. Which would be your favourite island to visit? Create a holiday brochure advertising your choice. Remember to highlight the physical and human features you could visit there.</p>
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Websites mentioned above:

<https://www.youtube.com/watch?v=ELchwUIlWa8> States of matter video including an investigation

<https://www.twinkl.co.uk/teaching-wiki/irreversible-changea> irreversible changes video and additional optional tasks

<https://kahoot.com/schools-u/> Kahoot website for online quizzes

<https://www.youtube.com/watch?v=xAUvvAbzkUk> music video about the life of Martin Luther King Jr.

<https://www.youtube.com/watch?v=vP4iY1TtS3s> a recording of Martin Luther King Jr's speech

<https://www.bbc.co.uk/bitesize/clips/ztfncw> video clip on the skeletal system.

Additional research websites:

<https://www.bbc.co.uk/bitesize/topics/zkqg87h/articles/zsgwwxs> States of matter (science)

<https://www.stem.org.uk/resources/elibrary/resource/30642/what-stuff-does> STEM video containing 5 short clips that explore the properties and explore the properties and uses of materials that surround us.

<http://www.crickweb.co.uk/ks2science.html> labelling a changing state diagram.

<https://www.sciencekids.co.nz/gamesactivities/statematerials.html> interactive changing state of water quiz

<https://www.youtube.com/watch?v=tuE1LePDZ4Y> video demonstrating the changing states associated with water.

Chocolate Cornflake Cakes- Science Investigation

Draw what the chocolate and the butter look like in the pan / dish before and after they are heated:

CHOCOLATE

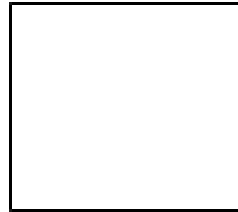
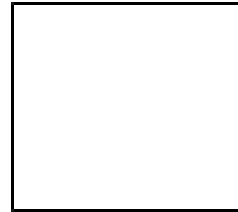
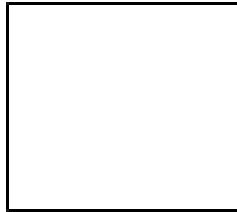
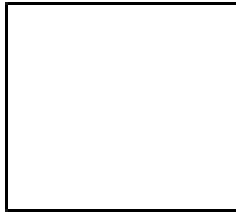
BUTTER

Before heating

After heating

Before heating

After heating



liquids heat solid cooled particles melting

Before being heated the butter and the chocolate were _____

After being heated the butter and the chocolate were _____

The butter and the chocolate went through a process of _____

This process happened because the _____ made the _____
move around more and move further away from each other.

When the chocolate and the butter were poured on the flakes, they
_____ down again and became _____ once more.

Using the word bank below, fill the gaps to show your understanding of the scientific vocabulary associated with this topic.

You will need to use some words / numbers more than once

Understand evaporation and condensation

condensation	liquid	evaporation	state	steam
100°C	cooled	gas	heated	water

Understand freezing and melting

heated	0°C	freeze	solid
reversible		melt	cooled

When water is _____ up enough, it can change _____ from a _____ to a _____ called steam. This process is called _____. When water vapour is _____ down enough, it can change _____ back into a _____. For example, when _____ hits a cold surface, like a mirror, it can turn back into _____ again. This process is called _____. Water boils at _____.

Understand freezing and melting

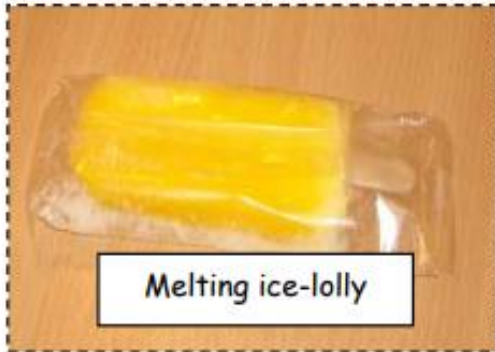
When ice is _____ enough, it can _____ and become ice. Ice is water in its _____ state. When water is _____ enough, it can _____. Water freezes at temperatures of _____ and lower. Ice melts at temperatures of _____ and above. Evaporation, condensation and freezing and melting are all _____ processes.

Reversible or Irreversible Changes?

PoS - demonstrate that dissolving, mixing and changes of state are reversible changes

NaG - pupils should explore reversible changes, including, evaporating, filtering, sieving, melting and dissolving, recognising that melting and dissolving are different processes.

WS - pupils should identify scientific evidence that has been used to support or refute ideas and arguments



Melting ice-lolly



Burning wood



Cooking an egg



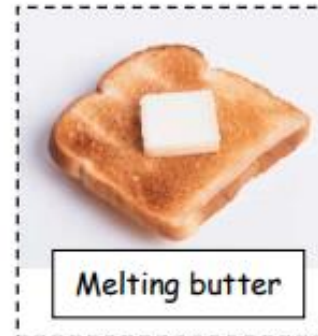
Melting ice-cream



Boiling water



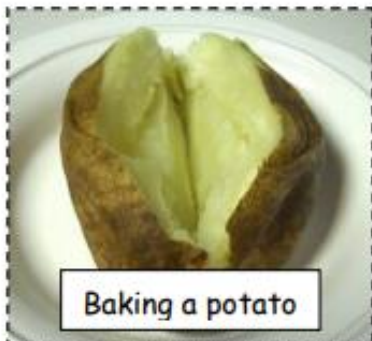
Melting chocolate



Melting butter



Cooking meat

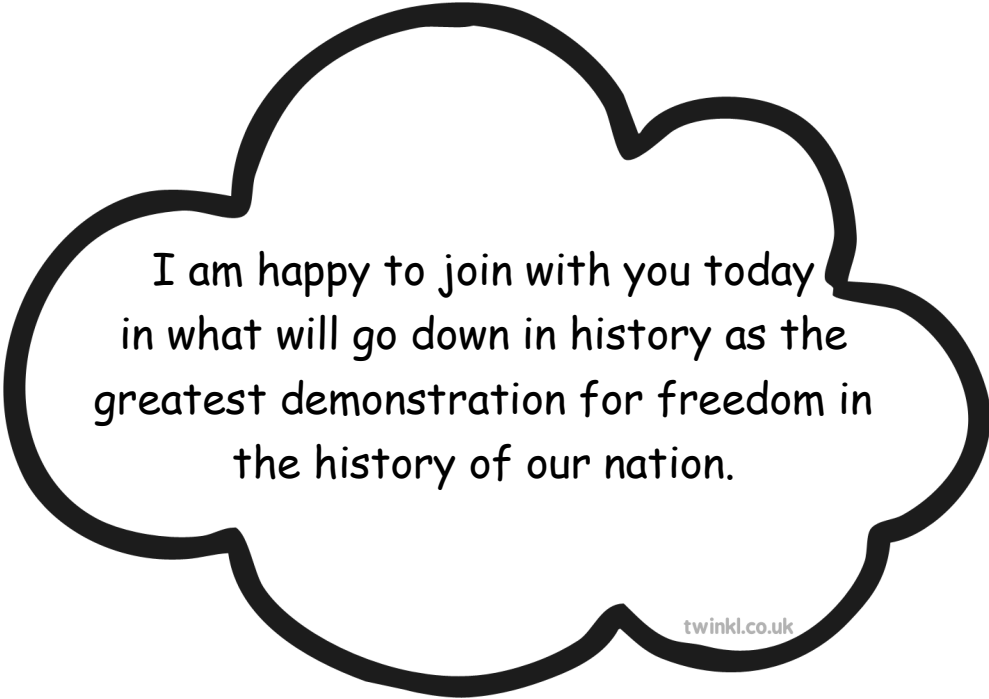


Baking a potato

Look at the foods and liquids in the pictures and use the table to predict whether any of the changes occurring due to heating are **reversible** or **irreversible**. Test your predictions (where possible) to find out whether or not your predictions were accurate.

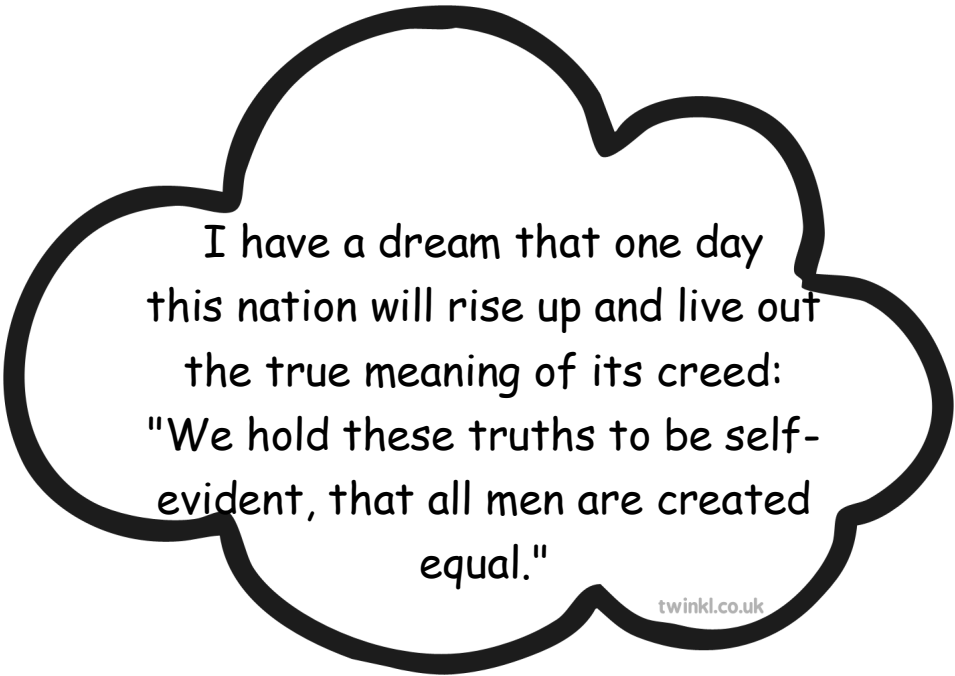


Melting toffee



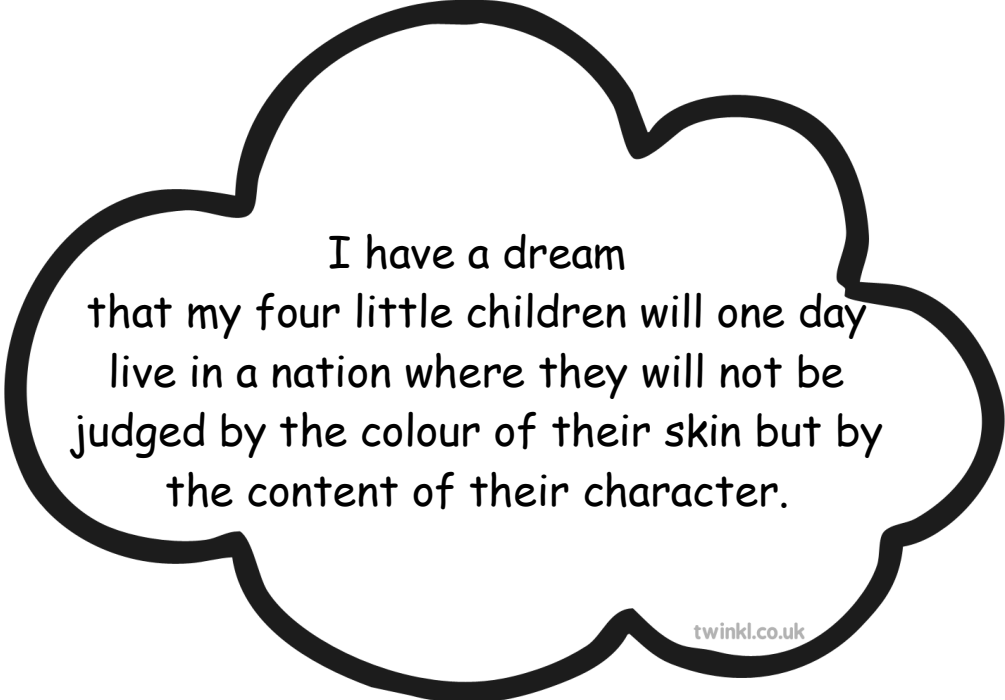
I am happy to join with you today
in what will go down in history as the
greatest demonstration for freedom in
the history of our nation.

[twinkl.co.uk](https://www.twinkl.co.uk)



I have a dream that one day
this nation will rise up and live out
the true meaning of its creed:
"We hold these truths to be self-
evident, that all men are created
equal."

[twinkl.co.uk](https://www.twinkl.co.uk)



I have a dream
that my four little children will one day
live in a nation where they will not be
judged by the colour of their skin but by
the content of their character.

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