

Nature and Beyond

Week Commencing 20th April 2020

Science (Properties and changing materials)

LO: To understand what factors affect the rate of speed an ice cube melts at.

Ice cube experiment

- What causes ice to melt?
- Does it always melt at the same speed?
- What factors/forces affect how fast ice melts?

<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/z9ck9qt>

Scroll down to see a full explanation of the science experiment! Predict which ice cube will melt the fastest based on different conditions that the ice cube has.



Complete the purple mash activity 'identify the characteristics of solids, liquids and gases'.

Geography (Rivers)

LO: To research and locate famous rivers in the world using an atlas or google maps.



Scroll down and complete the task below. Use google maps or an atlas to locate the rivers in the list below then add them to the map by drawing a textbox and adding the number of the river. **(you can print the map off if this is available for you to do).**

Challenge: Choose a river from the list and do some work based on it. Research it, watch videos and look at images.

You could:

- Draw or paint the river.
- Create a colourful poster or mind map.
- Create a leaflet encouraging tourists to visit it.
- Create a PowerPoint presentation

Computing

LO: To know how to stay safe online.



Complete the purple mash activity: 'E-Safety Poster'.

Design a poster for others to promote eSafety in our school and how to keep safe when using the internet.

Remember to add lots of information and images.

You may need to carry out extra research to help you.



Art (Andy Goldsworthy)

LO: To create a sculpture of a natural object using simple tools and printing to create texture.

Use the salt dough recipe below to make your own salt dough that you can use to mould and make a sculpture inspired by nature. Use the pictures provided for inspiration and ideas! **You could make...**

- A flower
- Leaves
- A bird or animal
- An insect



RE (Where, why and how do people worship?)

LO: To identify the key design features of a mosque.

Research the key design features of a mosque and why they are important. Use the clip below as a starting point but continue your own research.



Create a powerpoint presentation to teach others about the design features of a mosque and why they are important. Make sure to add lots of information, explanations and images!

- <https://www.bbc.co.uk/teach/inside-the-mosque-what-do-you-need-to-know/zr3f2sg>

Email your powerpoint presentation to Miss Coleman once completed.

LO: To recognise how friendships change, know how to make new friends and how to manage when I fall out with my friends.

Complete the purple mash activity that has been assigned to you: 'conflict'.

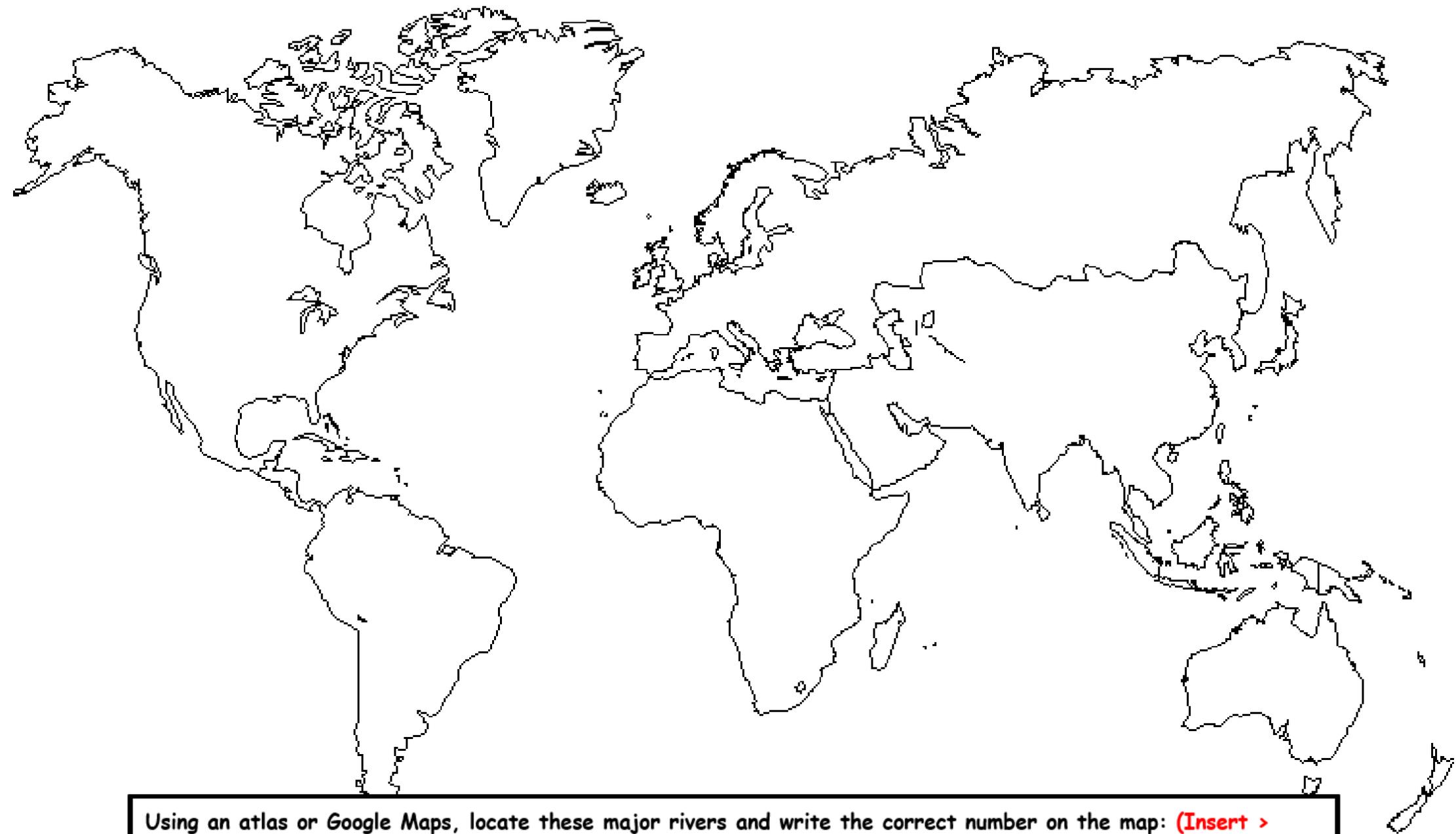
In this activity, think about a time when you have fallen out with a friend, had an argument or witnessed others falling out with their friends.



- How do you deal with this?
- What is the best way to resolve conflict?
- What is conflict?

At some point in our lives, we will all fall out with someone or have a disagreement that may cause conflict – think about how yourself and others should deal with this and why. Think about the importance of appropriate communication and kindness!

Don't forget to take pictures and email them to Miss Coleman or tag @oasisdonvalley on twitter! I would love to see your fantastic work – let's share our learning!



Using an atlas or Google Maps, locate these major rivers and write the correct number on the map: **(Insert > textbox > draw textbox where you need it on the map and write number in)** or print it off and draw on it!

1. Mississippi

2. Danube

3. Ganges

4. Thames

5. Huang Ho

6. Amazon

7. Nile

8. Niger

Art

How to make salt dough

- 1 cupful of plain flour (about 250g)
- half a cupful of table salt (about 125g)
- half a cupful of water (about 125ml)

Method

1. Preheat the oven to its lowest setting and line a baking sheet with baking parchment.
2. Mix the flour and salt in a large bowl. Add the water and stir until it comes together into a ball.
3. Transfer the dough to a floured work surface and shape into your chosen model. You can roll it out and begin to cut out shapes or mould it into your chosen shape. Make sure your design is finished before placing it in the oven.
4. Put your finished items on the lined baking sheet and bake for 3 hrs or until solid.
5. Leave to cool and then paint.



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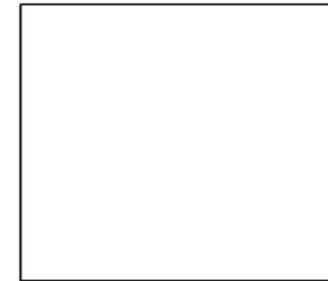
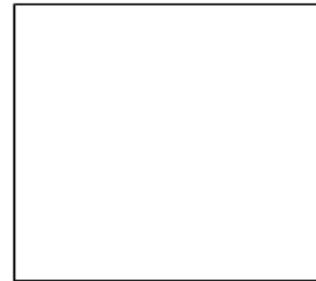
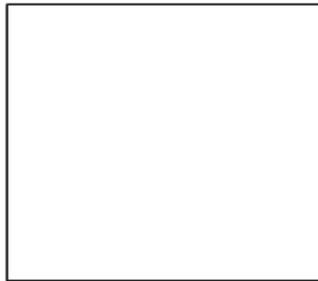
Ice cube experiment

Your task is to work out the quickest way to melt an ice cube by providing different ice cubes with different conditions.



Find 4 different places to put the ice (use plates or cups so the ice doesn't melt everywhere)

Draw the 4 different places in your book.



Results

The **fastest-melting** ice cube melted in _____ minutes. It was **fast** because _____.

The **slowest-melting** ice cube melted in _____ minutes. It was **slow** because _____.

Choose 4 different places to put your ice cubes, some ideas are –

- The fridge
- The kitchen side
- Windowsill
- Outside

Think about what you should consider when trying to get your ice cube to melt, for example; time of day, temperature, location.

- **How are you going to make your test fair?**
- **What will increase the rate the ice melts at?**
- **How are you going to measure the time it takes for the ice to melt?**

Don't forget to take pictures and email them to Miss Coleman or tag [@oasisdonvalley](#) on twitter! I would love to see your fantastic work – let's share our learning!