Water KS2

The activities here cover all aspects of the curriculum and are for you to dip in and out of once you have completed maths and English tasks in the plan. Enjoy!

Geography/History

Watch this clip about the water cycle. Can you draw your own labelled diagram to show your understanding?
https://www.bbc.co.uk/bitesize/clips/zb39jxs
When you've done the above, why not make a mini water cycle in a plastic zipbag by adding water and putting it onto a sunny window. You should be able to see evaporation, condensation and even precipitation (rain).
Design a leaflet showing people some of the ways in which a river/lake or reservoir can be used for recreation (having fun).

History

Can you find out about John Snow? He was a famous person, because of water and a disease called Cholera. Create a double page spread about him and the Broad Street Cholera outbreak in 1854 and what John Snow did to help people. This YouTube video could help as well as your own research.
https://www.youtube.com/watch?v=INjrAXGRda4
Do some historical investigations about how water was used as a transport system in the U.K can you create a poster telling others what you have learnt.

PE

Have a look on the North Yorkshire Sport website to find out what the challenge is this week. https://www.northyorkshiresport.co.uk/virtual

Join in with Joe Wicks every morning on YouTube at 9am.
PE with Joe

Go for a run on a set route. Find out how far it is. What was your time? Can you beat your time the next time you do it? You may need an adult to help you with this if you are running around the street so make sure you ask about this first.

Forest Schools

Create your own wildlife pond

Why not start to build your very own nature reserve close to your house and build a wildlife pond. All you need is a small bowl; this could be an old washing up bowl or plant pot.
Place it in a light position but one that is not in full sun all day. If you can, you could bury it in the ground, but you don't need to.

Add some gravel, rocks and even a log, create different depths. Fill your pond with rainwater, don't use tap water as it contains chemicals.

Take photos and keep a journal of the wildlife that you see as your pond matures.

Science

Investigating solutions:

Add some salt or sugar to a small dish of warm water and leave it for a few days. What do you expect to happen? What does in fact happen? Is it the same if you put it in different places? Could you try this and make it a fair test? Record your results like a proper science experiment with question, equipment, prediction, method and results. Is it possible to remove salt or sugar from water once it has dissolved? Perhaps you could work with an adult to find out. There may be some help on bitesize if you need to work independently. Record your findings in the best possible way.

Forces:

Investigate water resistance by observing how different shaped objects (e.g. of playdough) fall through water. Make/find a shape with the most water resistance and then the least water resistance. You could record your most successful shapes and then play them back in slow motion to make more accurate comparisons.

Human Body:

Do some research about the importance of drinking water. How much water should we drink? What are the effects of dehydration on the body?

Animal research:

Have a go at researching an animal that lives under water. What makes it perfectly suited to life under the waves? What 'adaptations' does it have to ensure its survival? You could present this as a labelled picture/diagram.

Art

Water is clear and reflective, which can make it difficult to draw or paint. Use materials in your own home to create a collage that gives a feel of water. Experiment with things like cling film, foil, pale blue paint dripped onto wet kitchen towel.

Do some research about artists who paint water scenes such as Turner or Monet. Try to recreate one of these using their style and technique.

Fill a glass or vase with water. Observe VERY carefully. How might you capture how water looks using just a pencil, line and shading. Try some observational drawing.

Find some pictures of water creatures online or in books such as fish, jellyfish, sharks, crabs etc. Do some close-up observational drawing of these.

Explore pictures of underwater plant life and coral reefs. Create your own underwater world in coloured pencil or paint. Try and hide things behind water plants to create a sense of depth – maybe even a shipwreck!

Music

Water, in music, is more than just a drop in the ocean. Composers imagine water in rivers, water falling from the sky, water jetting up to the sky, water as a single raindrop, or as the entire sea.
Listen to a piece of music that has been inspired by water (see suggested list below). Write a paragraph to describe how you think it sounds like water or water animals. What instruments can you hear? Do the dynamics (change in volume) add to the effect? Is the tempo (speed) fast or slow? Does this change through the piece?
La Mer by Claude Debussy
https://www.youtube.com/watch?v=FOCucJw7iT8
Storm by Vivaldi https://www.youtube.com/watch?v=RlqI_lAklfM
Storm by Benjamin Britten
https://www.youtube.com/watch?v=tjkCeplbKRc
Calm Sea and Prosperous Voyage by Beethoven
https://www.youtube.com/watch?v=89ka4DNHQiA
Aquarium by Saint-Saens from Carnival of the animals
https://www.youtube.com/watch?v=XCBDlC0N8Rc

Computing

Design a boat race using Scratch. A step by step guide can be found on this weblink: https://projects.raspberrypi.org/en/projects/boat-race

Inspired by the boat race activity, can you investigate scratch online: https://scratch.mit.edu/projects/31876/studios/
What can you do? Can you create a water themed game? Upload any creations onto Class Dojo.

RE

In what ways is water significant to different religions across the world? Refer to the PowerPoint presentation and accompanying activities.

Join in with the weekly assembly on Oak National Academy every Thursday at 10am.
https://www.thenational.academy/assembly

DT

Design a waterpark. Draw a map of all of the fun features and colour code it by including a key.

Develop a unique design for a boat. How will it be powered? What special features might it have? Label it carefully and explain your ideas.

Water transportation challenge
Using only natural resources that you can find in your garden, can you make something to transport at least a cupful of water. Remember to be a top designer you need to design/plan, make and evaluate. Share a video of you transporting water using your final product in your portfolio on Class Dojo.

French

Download the app 'duolingo'. You get pleasing little 'ping' sounds when you get something right.

Here are some songs to help you practise your French greetings, numbers and colours. I think they will be familiar :) Enjoy!
https://www.youtube.com/watch?v=Kkff4xjkWjE&list=PL5a2viQVahDvyKIvq6YpA2hDoMb_hryhO&index=2&t=0s
https://www.youtube.com/watch?v=UsEz58BblMY&list=PL5a2viQVahDvyKIvq6YpA2hDoMb_hryhO&index=4
https://www.youtube.com/watch?v=3xNOstaLO-k&list=PL5a2viQVahDvyKIvq6YpA2hDoMb_hryhO&index=2
https://www.youtube.com/watch?v=7_u2SigckNQ
Have a look at the BBC Bitesize KS2 French lessons here. Could you become an expert on a topic we haven't covered yet and teach us when we return to school?
https://www.bbc.co.uk/bitesize/subjects/z39d7ty

Just for Fun!

Create a rainbow in a jar - https://littlebinsforlittlehands.com/sugar-water-density-rainbow-science-experiment/.

Take a look at the following link for lots of fun Scientific activities related to Water - https://littlebinsforlittlehands.com/10-quick-water-science-activities-kids/.