P2 Water and Weather

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| **Research** | **Observe** | **Investigate** | **Experiment** | **Present** |
| How many seasons are there?Which months are in each season?Which season is your birthday in?Why do we have day and night? How many days are in a year?What does the Earth take one year to do?How long does it take the Earth to spin on its own axis? | Cut the top off a large plastic bottle and leave outside to collect rain water. Each day, measure the rainfall in a measuring jug. Make a bar chart to show amount of rain for each day.  | What will melt fastest: a cube of ice, a cube of frozen milk or a cube of frozen orange juice? Make a prediction and then time how long each takes to melt. Was your prediction correct? How did you make it a fair test? | Sink or float? Collect waterproof objects from around the house and test whether they sink or float in the bath or sink. What do you notice about different weights, shapes, materials?Make sure you check with an adult what is safe to put in water. | Draw a picture to show changes in nature and weather for each of the 4 seasons. |
| We have been learning about the water cycle – see how much you remember from class, then use some of these resources to find out more:<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/z3wpp39><https://www.natgeokids.com/uk/discover/science/nature/water-cycle/><https://www.youtube.com/watch?v=TWb4KlM2vts><https://www.youtube.com/watch?v=KM-59ljA4Bs> | Make a weather diary – observe the weather each day and record it with words or pictures. Do you notice any patterns? Is the weather changing as time passes? | Create an evaporation investigation – Put some water in a container and measure how much has evaporated after 24 hours. Change just one thing: amount of water/ shape of container / location (outside, windowsill, dark cupboard…)  | Create a water station for experimental play – here are some great ideas for inspiration:<https://happyhooligans.ca/25-water-play-ideas-backyard/> | Use balls or fruit to show an adult how the Earth, Moon Sun travel around each other. |