**Exploring Evaporation**

Written by Deakin Science Ed @Geelong

**Introduction**

🎬**Watch this video on water puddle** [**https://vimeo.com/411939942**](https://vimeo.com/411939942) **(Password: 123456)**

🖹**Answer the following questions:**

* What do you think happens to a puddle of water, once the sun comes out?
* Draw and show what might be happening to the water on the ground.

## **Investigation 1: Water Evaporation**

In this activity, we will explore *what determines how quickly a glass of water will evaporate.*

🎬**Watch this video** [**https://vimeo.com/411944864**](https://vimeo.com/411944864) **(Password: 123456)**

## 🖹 **Use the investigation planner below, plan and conduct an investigation to answer the questions raised by Victor and Annabeth in this video.**

## Plan for your investigation: What are you investigating? How are you going to investigate it?

## Check each day to track evaporation. Can you measure how much water evaporates each day?

## Record, show and explain your results in the investigation planner below.

\*This is how Victor and Annabeth are investigating into their questions <https://vimeo.com/411951476> **(Password: 123456)** You could design a similar investigation or you might want to design your own investigation.

|  |  |
| --- | --- |
| **Question** for my investigation |  |
| I will **keep the same** |  |
| I will **observe or measure** |  |
| This is what I **predict** will happen and reasons for my prediction:This is how I **show** and **explain** the results: |

**My Investigation Planner**

## **Investigation 2: Disappearing Handprints**

In this activity, we will explore *how quickly a wet handprint evaporates.*

🖹 **Conduct an investigate to see how quickly a wet handprint dries.**

* Wet your hand and make a handprint on a paper towel or coloured paper.
* Draw around the handprint and watch as the towel/paper dries.
* You might want to do two handprints and put one in a (page sized) ziplock bag (see the pictures below).



🖹**Answer these questions:**

* What happens to the handprint on the paper without the ziplock bag, after 10 minutes, and then 20 minutes?
* What happens to the handprint on the paper inside the ziplock bag, after 10 minutes, and then 20 minutes??
* Explain the differences in your observations of the two handprints.

\*You might want to check out this video after you have completed your investigations <https://www.youtube.com/watch?v=iRLqAhaniyg>