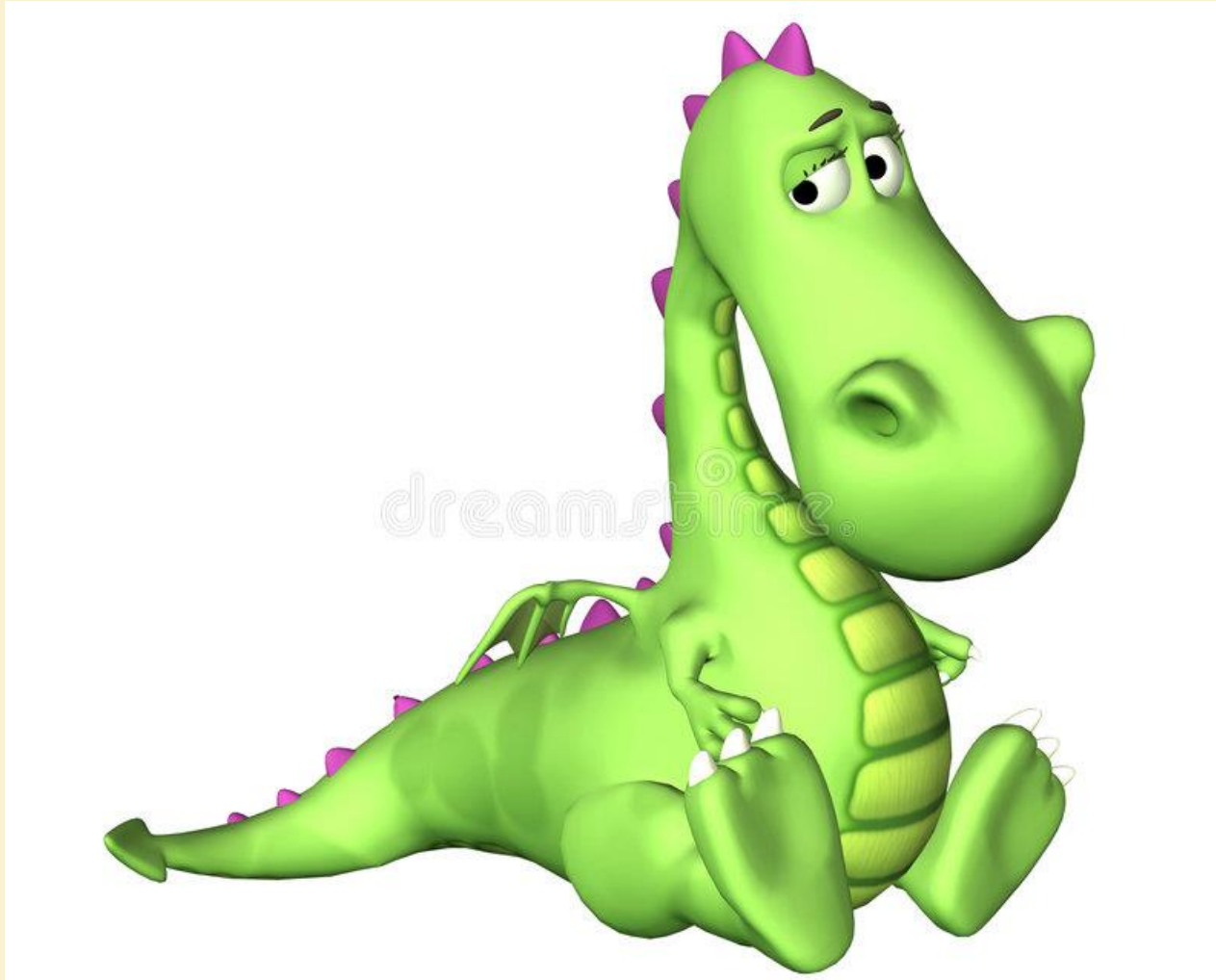


Experimenting with materials

This is Dizzy the Dragon



Dizzy the Dragon feels sad



Dizzy hasn't been able to breathe fire for a long time.

Every time Dizzy tries, it is fizzled out by all of the rain and snow we've been having.



What Dizzy needs...is a hat!



But Dizzy is a dragon. A dragon who has no idea how to make a hat.

Or, more importantly....

What material to make it from!

And that's where you come in.

We need to help Dizzy work out which material to use to make her hat.

What is the most important property that we need from this material?

► It must be...

We will be testing:

▶ Plastic

▶ Wood

▶ Metal

▶ Fabric

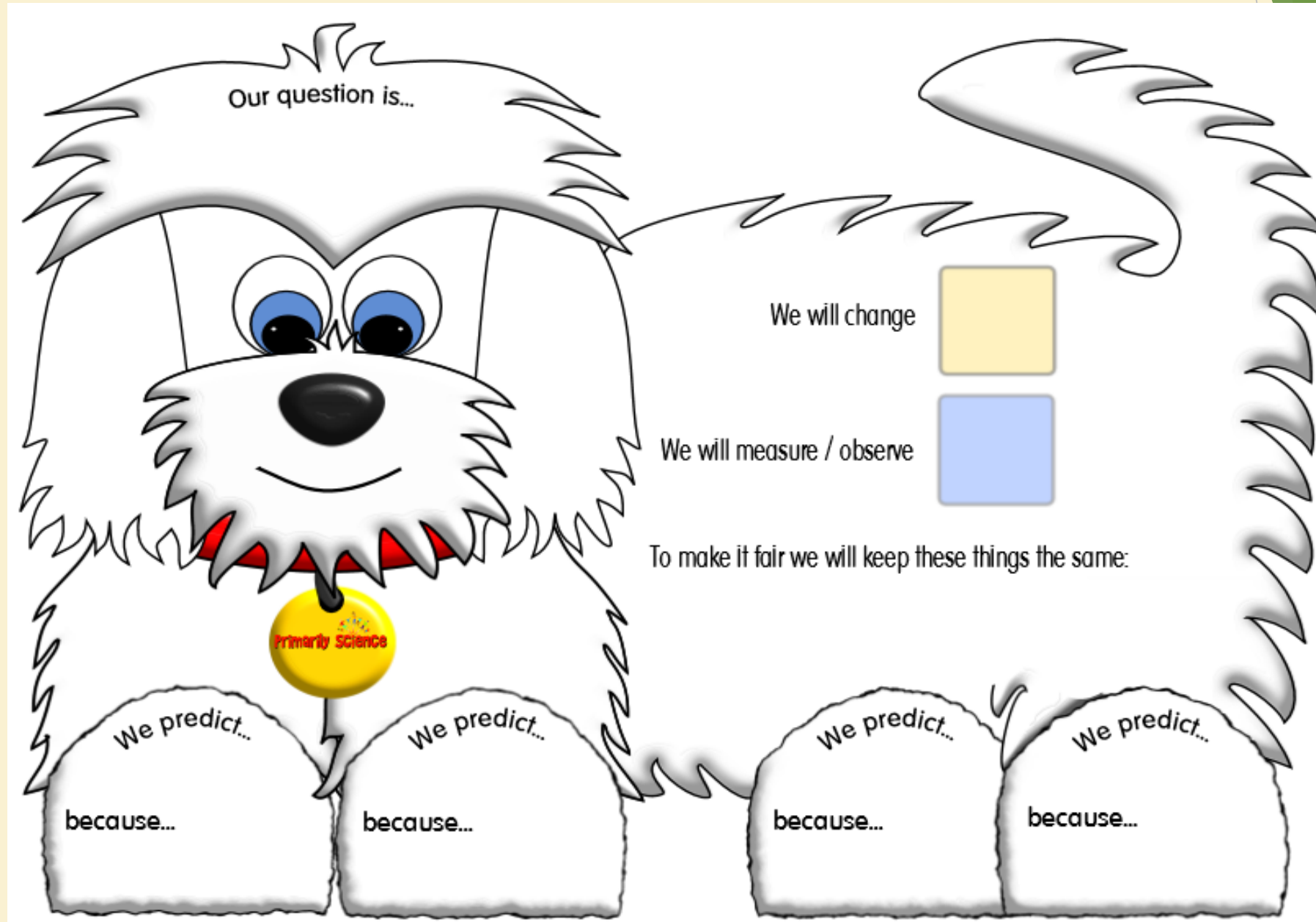
REMEMBER!

- ▶ All of these materials will get wet if you pour water on them
- ▶ ‘Waterproof’ doesn’t mean it doesn’t get wet, it means that it doesn’t absorb water, so things underneath the waterproof layer stay dry.

Our test

- ▶ Pouring water over the materials
- ▶ Measuring how much water is not absorbed

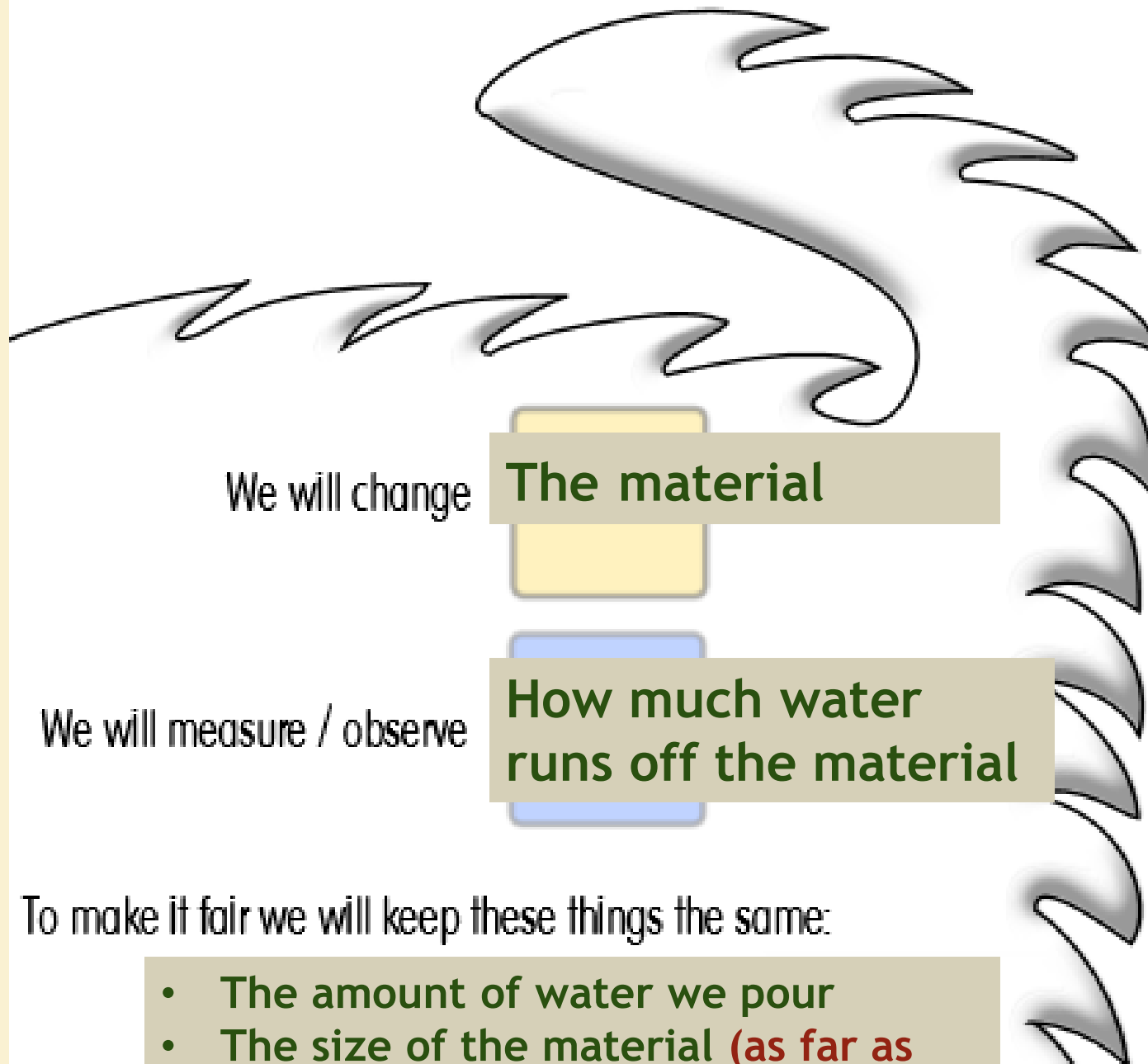
Discovery Dog





Our question is...

**Which material would make
the best waterproof hat?**



We will change

The material

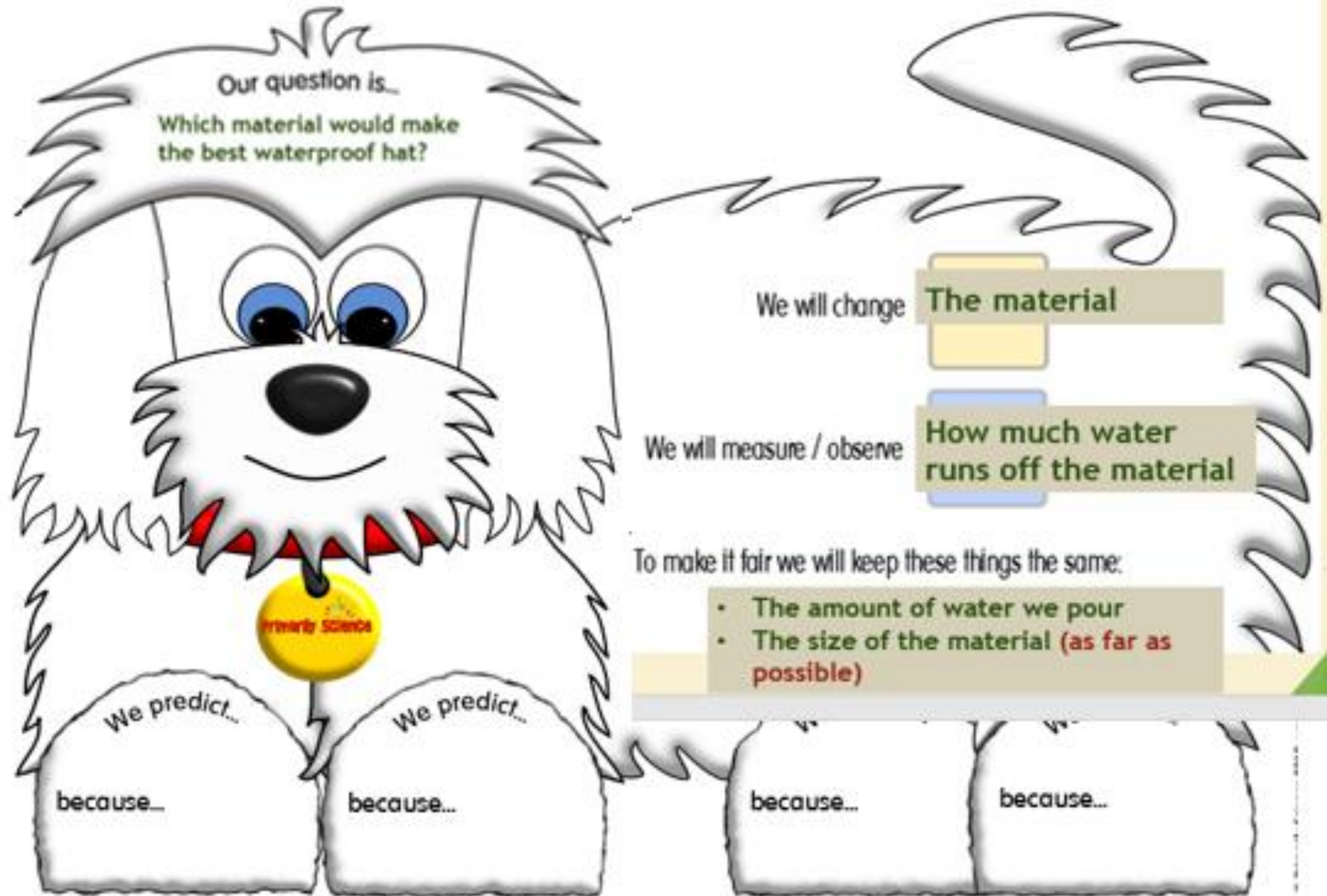
We will measure / observe

How much water
runs off the material

To make it fair we will keep these things the same:

- The amount of water we pour
- The size of the material (as far as possible)

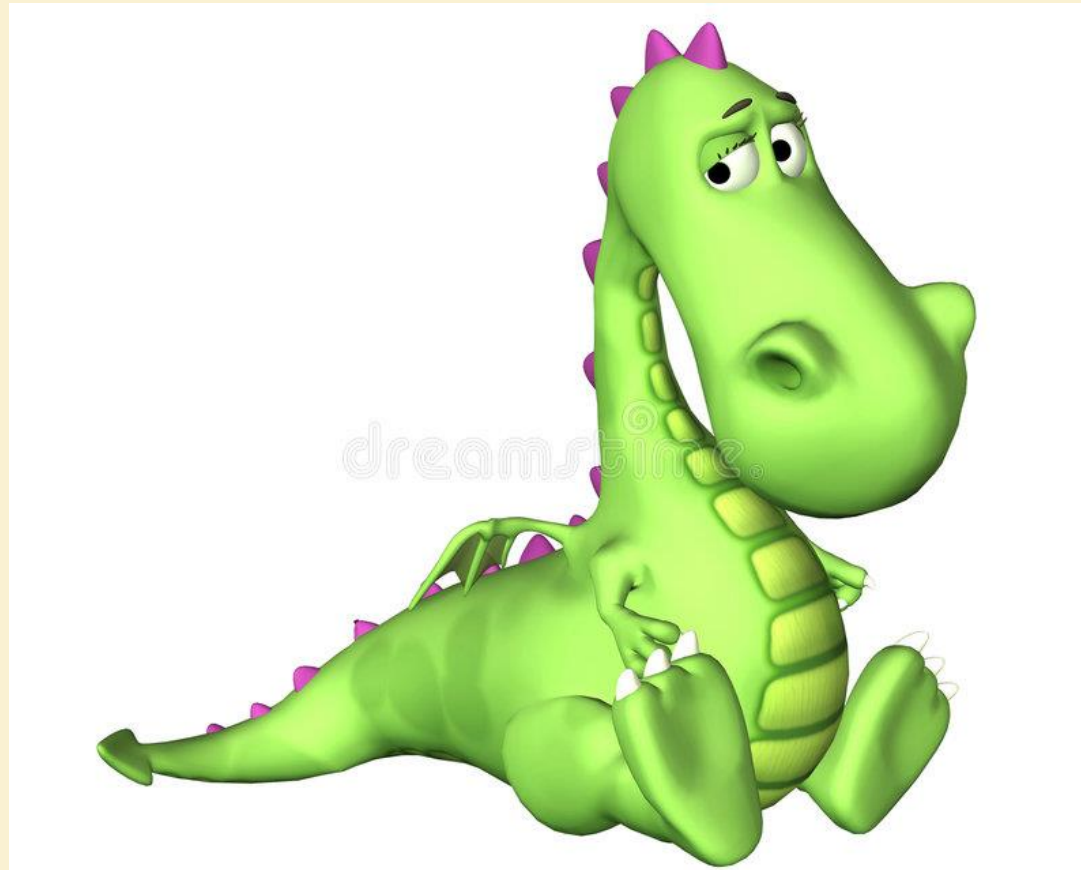


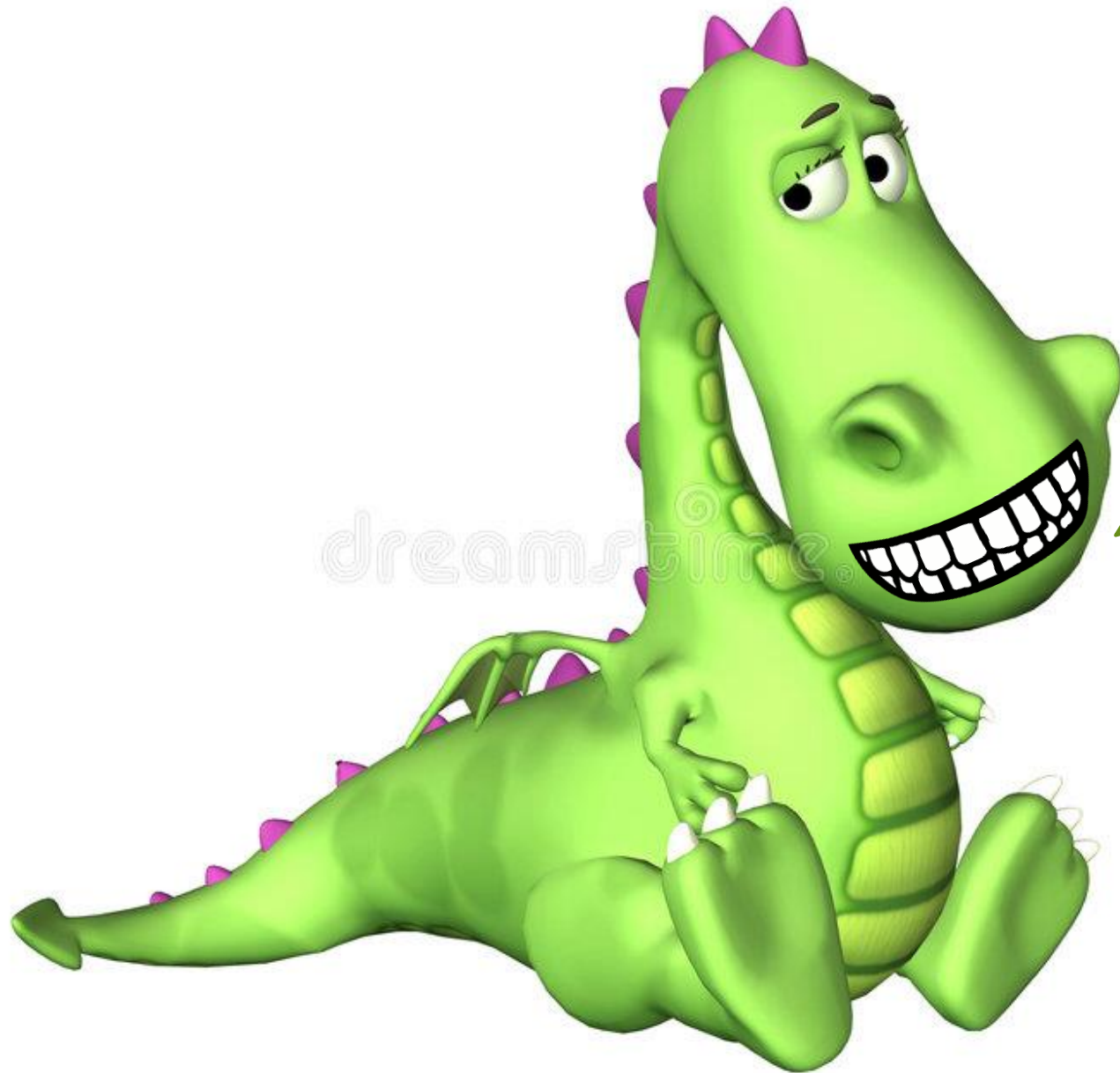


TASK - After Zoom in HL Books

- ▶ Write the question we are investigating
- ▶ Write your predictions as full sentences
- ▶ Draw and label what we need for our experiment - don't forget something to pour the water from and empty cups to measure how much water runs off!
- ▶ ...that's it until next week!

Don't worry, Dizzy.
We're on it.





Thanks!