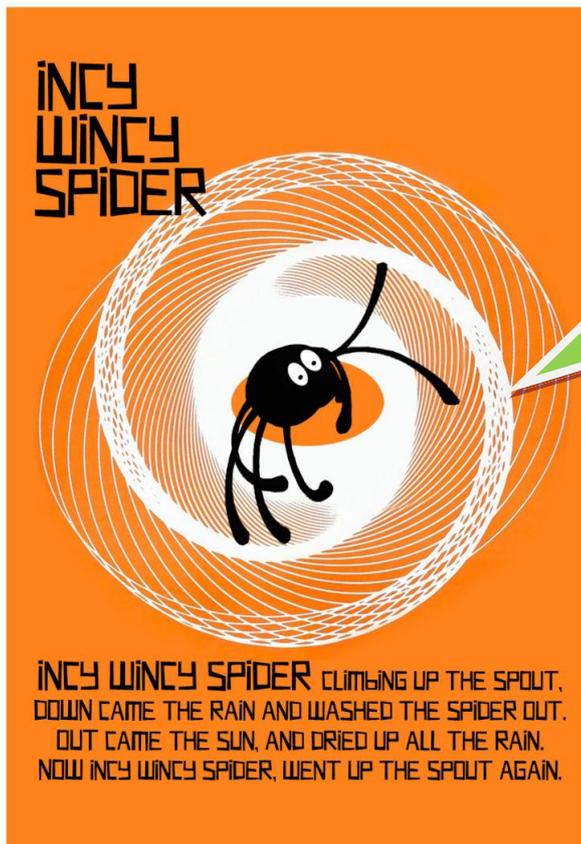## Science & Technology / Humanities Activities
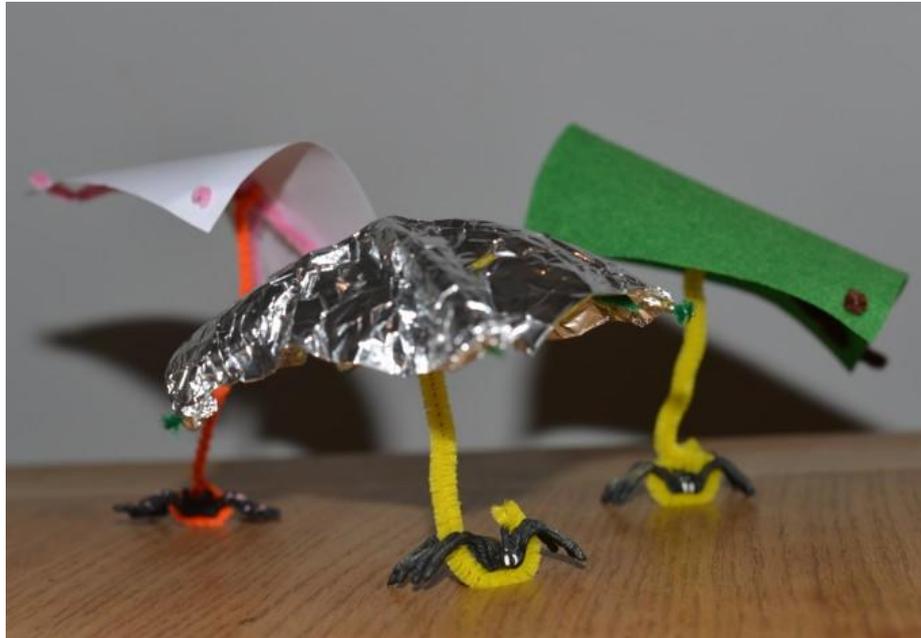
There are two activities 1. Testing Materials 2. Finding out about spiders

1. Testing Materials

Can you make me an umbrella? What will the best material be to keep me dry?

The idea is to create umbrellas made from different materials for Incy Wincy Spider to find out which is the most waterproof.   It's a great Spider Experiment and a fun way to introduce the concept of materials having different properties to children. The experiment idea comes from www.science-sparks.com.

What you need for Incy Wincy umbrellas

- Plastic spiders
- Materials to test – foil, felt, paper, plastic
- Pipe cleaners
- Water sprayer

What to do

Adult: Build your umbrella handles using pipe cleaners and tie them around the spiders. Add an umbrella top made out of the different materials. Use the same size umbrella for each spider.

Together: Talk about each material and make predictions about what will happen. Talk to the children about their own experience and uses of each material, for example, would we wrap food in foil if it wasn't waterproof?

Child: Spray each umbrella from the top with water. Try to use the same number of sprays for each.

Together: Observe the differences between the umbrellas. Which ones protect Incy best? Feel the spiders underneath – are they wet or dry?

Which umbrella was best at keeping me dry?

2. Finding out about spiders

This lovely episode of CeeBeebies "Come Outside" is all about spiders:

This interactive PowerPoint has lots of information about spiders but take care! Some of the pictures might be a bit scary!

Here's the same information in pdf form in case you don't have PowerPoint:

Can you find any spiders in your garden? Can you answer these quiz questions about spiders?

1.   How many legs do spiders have?
2.   What do spiders use to catch the insects they eat? (Their prey?)

Please take some pictures of your spider activities and email them over to us at:

Mrs Timmins email or **Mrs Rudge email**