



# High Touch High Tech<sup>®</sup>

Science Experiences That Come To You

## Make a Spider Web!

### Ingredients & Supplies:

- Spider Web Template
- Square piece of wax paper (large enough to cover template)
- Elmer's glue gel
- Glow in the dark spider/insect

### Instructions:

Let's make a spider web!

First, print out the spider web template on a piece of white copy paper. This image will be the inspiration for your spider web!

Take your wax paper and place it on top of your spider web template. Using your glue gel, trace the spider web from your template onto the wax paper. Be sure to connect all the lines throughout the spider web. Also make sure your lines of glue gel are medium thickness and solid.

After you have completed tracing the web with glue, place your glow-in-the-dark spider/insect on your web. Now it is very important to let your web dry completely.

When the web is dry, carefully peel your web off of the wax paper. Amazing! You just created your own spider web! See if it will stick to your window!

### The Science Behind It:

A spider is called an *arthropod*. This category of animals has 8 legs, no antennae, no wings, and two body sections – an abdomen and a head. Arthropods do not have bones inside their bodies. Instead, they have a hard external covering called an exoskeleton. Spiders are related to mites, ticks and crustaceans. Spiders are a unique type of *arthropod* called an *arachnid*.

Spiders produce silk that is used to create webs. A spider spins a web for three reasons: 1) For shelter; 2) For laying eggs; 3) For catching dinner!

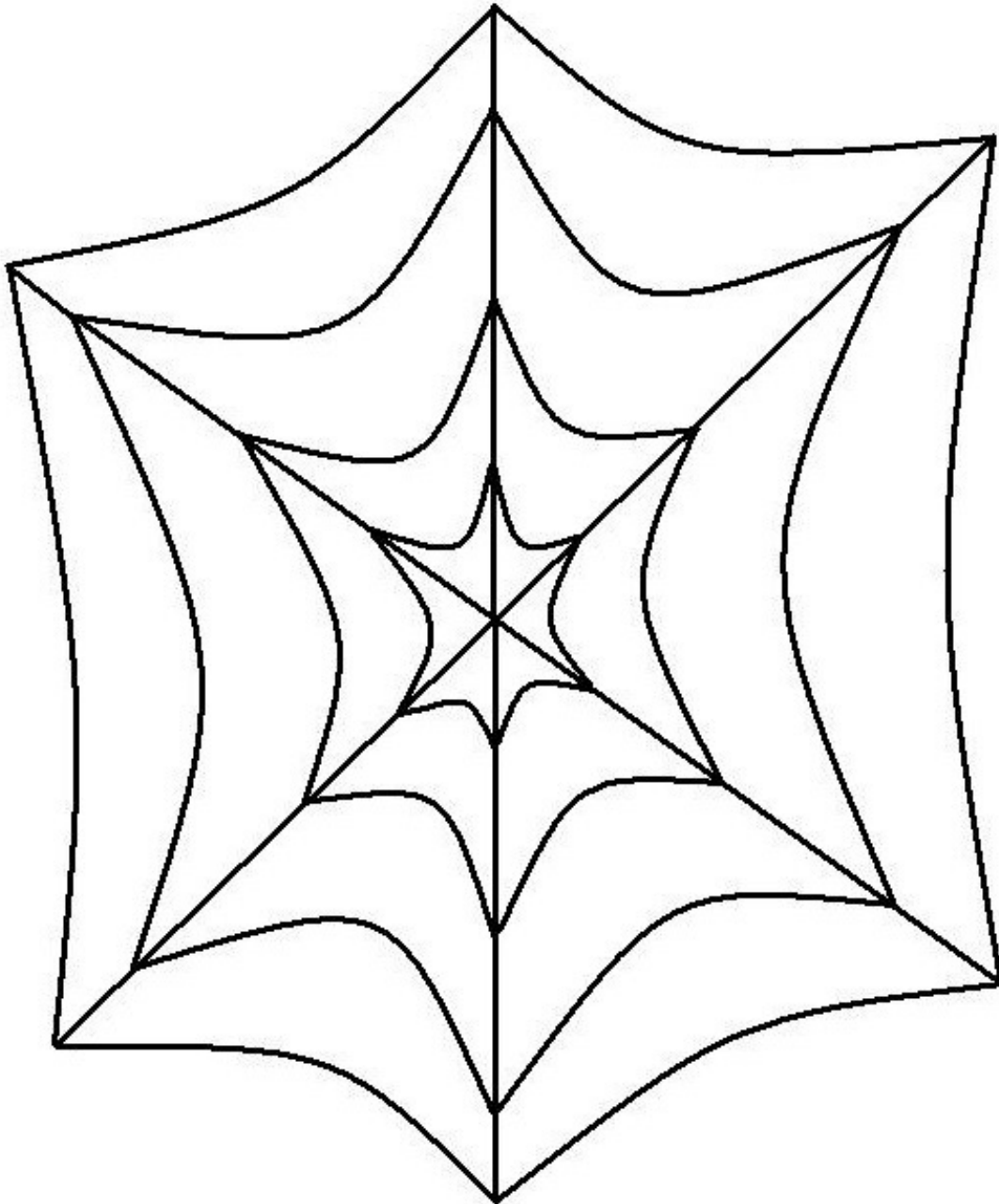
To catch its dinner, a spider will hideout on its web until an insect is trapped. The struggles of a trapped insect make the web shake. The spider goes to its prey and wraps it in silk. Dinner is ready whenever the spider feels hungry. Spiders use their fangs to poison their prey and then suck out its body juices.



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