

How To...

Day 3: Jumping Frogs – a static electricity experiment – rrribbbbit!

Fun with very few resources.

Using balloons and paper, test static electricity and make your frogs jump!

Instructions

1. Cut up your different types of paper into frog shapes (or anything else you want to make jump)
2. Blow up your balloon and rub it on your jumper or hair. Hold above the frogs and watch them jump up.



Why does this work?

Rubbing the balloon on your jumper or hair, charges it with static electricity, this attracts the frogs making them jump up to the balloon. They will stick until the charge wears off.

Challenge

Does it still work if you use normal paper and cardboard?

Can you time how long the frogs stay stuck for?

If you rub the balloon on your hair for longer do the frogs stick for longer?

Do smaller frogs stick for longer than bigger ones?

<https://www.science-sparks.com/jumping-frogs/>