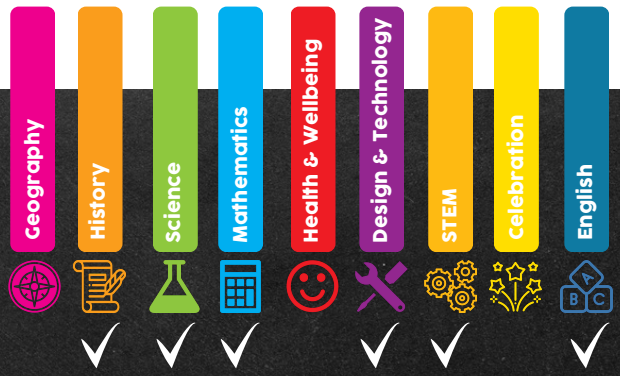


# Supreme Incursions

## Conductive Playdough



### The aim

- To make conducting playdough.

### What you will need

1/2 cup of Salt

1 cup of warm water

Dye of choice

3 tbsp of cream of tartar

1 tbsp of vegetable oil

1 cup of plain flour

Wooden Spoon

Saucepan (and a stovetop to heat)



Adult Demonstration



30-45 minutes



Grade Foundation+ (Adult cooking)



Warning: This resource requires the use of a stovetop. It should be conducted by an adult.



### Watch the video

Scan the QR code to watch the instructions



### Follow these steps

- Step 1** In a saucepan, completely dissolve half a cup of salt in a cup of warm water (completely dissolving first ensures a good texture). Then add the dye.
- Step 2** Add 3 tbsp of cream of tartar, 1 tbsp of vegetable oil, and 1 cup of plain flour. Stir thoroughly.
- Step 3** Cook the mixture on low heat, stirring constantly with a wooden spoon until a ball forms. Flatten the ball out on a lightly floured surface to cool (for a few minutes).
- Step 4** Knead in a little more flour until the dough stops feeling sticky and you're done! Playdough away!

### The Science behind it

Playdough contains **salt dissolved in water**, which **conducts electricity** fairly well. This means it allows the flow of **electrical charge**. Store-bought playdough is also conducting. You can now use this playdough to complete a simple circuit and turn on a light!

**FUN FACT** Playdough was first sold as wallpaper cleaner! Before being a craft toy, parents were using it to remove soot and dirt from their walls by rolling the wad of goop across the surface!