

WALT: understand the differences between electrical conductors and insulators.

Electrical conductivity is the measure of a material's ability to allow the transport of an electric charge.

Watch the video on the BBC website and read the information below it. The link is on the school website. [Parents – Home Learning – Year 5 – Monday 18<sup>th</sup> January –Science]

### Activity 1

Complete the table below.

|           | Definition                       | Material Examples                                 |
|-----------|----------------------------------|---------------------------------------------------|
| insulator | -----<br>-----<br>-----<br>----- | ● plastic bottle<br>● -----<br>● -----<br>● ----- |
| conductor | -----<br>-----<br>-----<br>----- | ● key<br>● -----<br>● -----<br>● -----            |

### Activity 2

If electricity is not used safely, it can cause fires, burns or electrical shocks. The direct danger is the damage that the power itself can do to the human body such as burns.

Research the dangers of using electricity and create a poster explaining how to use electricity safely.

You can use the next page to create your informative poster.

