

<b>Topic:</b> Electricity	Year 4 Age 8-9	Title: Conductor or insulator
<b>Working Scientifically Focus</b> <b>Review:</b> using straightforward scientific evidence to answer questions or to support their findings		<b>Conceptual Knowledge Focus</b> Recognise some common conductors and insulators, and associate metals with being good conductors.

**Example**

Children were asked to construct a working circuit then test a range of items to see which would let electricity pass through.  
(See [TAPS lesson plan](#)).

The fork was metal so it's a conductor and let the light bulb light up

Trying a paper clip that's partially coated  
"It works on that bit (exposed metal) not on this because it has an insulator coating."

the painted paperclip doesn't work but the unpainted clip does... the paint is an insulator

Materials that are electrical insulators	Materials that are electrical conductors
Glasses Zip Pen board rubber Plastic Handel Table Legs pensal case	Sisers blade coin figit spinner ring
insulators are NOT made of metal.	conductors are made of metal.

Children meeting the objective would be able to use their results to sort materials into conductors and insulators, noting that metal objects conduct electricity.

Example from Seaton Primary School, Devon