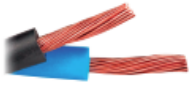
HOLY FAMILY CATHOLIC PRIMARY SCHOOL

Year 5

Properties of Materials

What are we learning?			
To test and categorise materials based on their properties.	To use a circuit to test materials.	To plan and make a prediction for an investigation on which materials will insulate heat best.	To carry out and evaluate an investigation on which materials will insulate heat best.

Key vocabulary		
transparent	an object or material that allows all light to pass through it.	
translucent	an object or material that allows some light to pass through it.	
opaque	an object or material that does not allow any light to pass through it.	
Magnetism	a non-contact force created by a magnet	
Hardness	a measure of how resistant a solid is to a change of shape or indentation when a force is applied.	
Electrical conductor	a material that lets electricity pass through it	

Key vocabulary		
electrical insulator	a material that does not let electricity pass through it.	
circuit	a complete path that allows electrical energy to flow.	
thermal insulator	material that does not let heat pass through it quickly/efficiently/easily	

If a material is an **electrical conductor**, electricity will flow through the **circuit** and the **bulb** will light up. If a material is an **elctrical insulator**, electricity will not flow through the **circuit**.