

**Things to include each half term:**

1 x active learning  
1 x outdoor science lesson  
3 x experiments/investigations  
1 x child-led investigation  
3 x examples of working scientifically

**Science display:**

Venn diagram of properties  
Key words and definitions  
Examples of children's work/ pictures

**Science Adventure**  
**Medium Term Planning**

**Lesson 1**

**Active Learn** – Chn to complete a match up task of definitions (dissolving, mixing, reversible, irreversible, hardness, solubility, transparency, conductivity, response to magnets) and key words.  
Children to create their own definitions.  
Pop quiz.

**Lesson 2**

**Investigation** – comparing the properties of different materials  
Use Venn diagrams to sort and order.  
**Outdoor learning** using hoops as Venn diagrams.

**Lesson 3**

**Child led investigation** – What material would be the best material to clean a table? (in class have a dirty table)  
Children to plan in groups and test different materials to see which one is most suitable.

**Lesson 4**

How do scientists show their findings?  
**Working Scientifically** – what is the best way to show findings from the previous lesson. Discuss different ways of recording information – table, pie chart, Venn diagram, bar graph, line graph. Which one is the most suitable? Why?

**Lesson 5**

Introduce conductors and insulators. What are they?  
**Child led investigation** – Which materials are conductors and which ones are insulators?

**Science Adventure**  
**Medium Term Planning**

**Lesson 6**

**Working Scientifically** – Display findings from last week's investigation and answer question about wiring.  
Discussing the properties of materials with conductivity.