

## Ovingham Middle School Subject Overview Year 8



Subject: Science

Each column represents an approximate half term starting at 1 = September to October

	1	1.5	2	2.5	3	3.5
<b>Topic</b>	<b>Energy</b>	<b>Energy Chemical reactions and their patterns</b>	<b>Chemical reactions and their patterns</b>	<b>Earth, Space and beyond</b>	<b>Magnetism and electromagnetism  Variation</b>	<b>Changing Earth</b>
Areas of curriculum covered	<ul style="list-style-type: none"> <li>- Energy transfers</li> <li>- Non-renewable and renewable energy sources</li> <li>- Energy and food</li> <li>- Electrical energy and circuits</li> <li>- Light energy</li> </ul>	<ul style="list-style-type: none"> <li>- Sound</li> <li>- Physical vs Chemical Changes</li> <li>- Signs of a chemical reaction</li> <li>- Acids, alkalis and neutral solutions</li> <li>-Acids and metals</li> </ul>	<ul style="list-style-type: none"> <li>- Atoms</li> <li>- Elements</li> <li>- Metals and non Metals</li> <li>- Compounds</li> <li>- Mixtures</li> <li>- Changes of state</li> </ul>	<ul style="list-style-type: none"> <li>- Days and years</li> <li>- History of astronomy</li> <li>- The Moon and its Phases</li> <li>- Seasons</li> <li>- The solar system</li> <li>- Galaxies and beyond</li> </ul>	<ul style="list-style-type: none"> <li>- Magnetic materials</li> <li>- Magnetic fields and compasses</li> <li>- Making electromagnets</li> <li>- Uses of electromagnets</li> <li> </li> <li>- Examples of characteristics that vary</li> <li>- Types of variation</li> </ul>	<ul style="list-style-type: none"> <li>- Layers of the Earth</li> <li>- Minerals</li> <li>- Types of rock</li> <li>- Formation of different types of rock</li> <li>- The rock cycle</li> </ul>
Links To RRSA	12    13 28	12    13 28	12    13 28	12    13 28	12    13 28	12    13 28

Please be aware that each class is unique and although the above planning will be followed as close as possible, at times, and with individual classes, we may deliver deeper, extended learning into a topic, move faster to another topic or go slower to make sure we have clarified learning.

If you are in any doubt or have any specific questions about this subject please contact the subject coordinator : Mr. Pusey