



Science Homework - Year 7
Autumn 1 - 'Acids & Alkalis/Forces'

Retrieval	Reading	Rewarding
<p>1. Acids and alkalis Educake quiz</p> <p>COMPULSORY</p>	<p>2. Acids and alkalis reading task</p> <p>https://docs.google.com/presentation/d/1I3aodRkRFaot-F-D1r_hqP-465TJZ2ffdEXqhw5D02o/edit#slide=id.p1</p> <p>COMPULSORY</p>	<p>3. Hazards at home</p> <p>Look around your house and find products with hazard labels on them. Create a table or a poster to illustrate what you have found.</p>
<p>4. Magnets Educake quiz</p> <p>COMPULSORY</p>	<p>5. Magnets reading task</p> <p>https://docs.google.com/presentation/d/1VX00En3UFAyRnj3wLpw0RQF8chVs80FE5lm0orCjHQw/edit#slide=id.p1</p>	<p>6. Magnetism at home</p> <p>Test objects in your home to see if they are magnetic. Record your results in a table.</p> <p>https://drive.google.com/open?id=1IgmVu_JiCzAvR5lJkMTPcpWgASlj8AEZ&usp=drive_fs</p>



Science Homework - Year 7
Autumn 2 - 'Cells/Chemical Reactions'

Retrieval	Reading	Rewarding
<p>1. Cells Educake quiz</p> <p>COMPULSORY</p>	<p>2. Cells microscope reading task</p> <p>https://docs.google.com/presentation/d/1OVvMul6Tm88IAuk1M_y6tmwh7TucLEJ70nYayQmdcKs/edit#slide=id.p1</p> <p>COMPULSORY</p>	<p>3. Cell Model</p> <p>Create a model of a plant cell, an animal cell or one of the specialised cells. All cell structures need to be labelled.</p>
<p>4. Chemical Reactions Educake quiz</p> <p>COMPULSORY</p>	<p>5. Chemical Reactions reading task</p> <p>https://docs.google.com/presentation/d/1IDeBb99mL3LWXUOSW6Go9WD41erNeG65/edit#slide=id.p1</p>	<p>6. Bake a cake</p> <p>Bake a cake to observe the chemical reaction of the baking powder (Sodium Bicarbonate).</p> <p>Why does the cake rise?</p>



Science Homework - Year 7
Spring 1 - 'Reproduction/Particles'

Retrieval	Reading	Rewarding
<p>1. Reproduction Educake quiz</p> <p>COMPULSORY</p>	<p>2. Reproduction reading task</p> <p><input type="checkbox"/> Reproduction</p> <p>COMPULSORY</p>	<p>3. Cell model/poster</p> <p>Create a model or a poster of either a sperm or an egg cell.</p>
<p>4. Particles Educake quiz</p> <p>COMPULSORY</p>	<p>5. Particles reading task</p> <p><input type="checkbox"/> Particles</p>	<p>6. Research</p> <p>Research how particles can change from one state to another and back again (interconversions).</p> <p>Find the names of all six changes of state, including when and why they happen.</p>



Science Homework - Year 7
Spring 2 - 'Forces'

Retrieval	Reading	Rewarding
<p>1. Force Educake quiz</p> <p>COMPULSORY</p>	<p>2. Forces reading task</p> <p>☐ Forces what is friction</p> <p>COMPULSORY</p>	<p>3. Forces</p> <p>Draw a diagram of your favourite sports activity.</p> <p>Label all the forces acting on the player and explain what affects this has on the individual.</p>
<p>4. Year 7 Science Educake quiz</p> <p>COMPULSORY</p>	<p>5. Zacharias Janssen reading task</p> <p>☐ 7A Zacharias Janssen</p>	<p>6. RAF Cosford Museum</p> <p>Visit the RAF Museum at Cosford to see some forces in action. Entry is free but there is a charge for parking.</p> <p>https://www.rafmuseum.org.uk/midlands/</p>



Science Homework - Year 7
Summer 1 - 'Plant Power/Energy'

Retrieval	Reading	Rewarding
<p>1. Plant power Educake quiz</p> <p>COMPULSORY</p>	<p>2. Photosynthesis reading task</p> <p><input type="checkbox"/> 7C Can Animals Photosynthesise</p> <p>COMPULSORY</p>	<p>3. Grow a sunflower</p> <p>https://www.rhs.org.uk/education-learning/gardening-children-schools/family-activities/grow-it/grow/sunflower</p>
<p>4. Energy Educake quiz</p> <p>COMPULSORY</p>	<p>5. Energy reading task</p> <p><input type="checkbox"/> Energy</p>	<p>6. Energy use challenge</p> <p>See if you can make small steps to reduce the energy use in your home.</p> <p>https://www.starenergypartners.com/blog/electric-bill/energy-saving-challenges-as-ways-to-save-on-an-electric-bill/</p>



Science Homework - Year 7
Summer 2 - 'Separation/Ecosystems'

Retrieval	Reading	Rewarding
<p>1. Separation Educake quiz</p> <p>COMPULSORY</p>	<p>2. Separation reading task</p> <p><input type="checkbox"/> Separation</p> <p>COMPULSORY</p>	<p>3. Separation</p> <p>Make a water filter to clean contaminated water.</p> <p>https://www.science-sparks.com/cleaning-up-water-looking-at-filtering/</p>
<p>4. Ecosystems Educake quiz</p> <p>COMPULSORY</p>	<p>5. Ecosystems reading task</p> <p><input type="checkbox"/> 7D Plant Adaptations</p>	<p>6. Bug Hunt</p> <p>Go on a bug hunt in your garden or local park.</p> <p>Use the checklist to identify any bugs you find.</p> <p>https://www.woodlandtrust.org.uk/blog/2023/05/minibeast-hunt/</p>