

## Science - Medium term plan - Separating techniques

Year group	Subject: separating technique
<b>Prior learning- linked to National curriculum</b>	<b>KS2:</b> Pupils should be taught to: compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic demonstrate that dissolving, mixing and changes of state are reversible changes explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.
<b>Covid gaps</b>	
<b>Rationale</b>	<b>By the end of Ks3:</b> Pure and impure substances the concept of a pure substance mixtures, including dissolving diffusion in terms of the particle model simple techniques for separating mixtures: filtration, evaporation, distillation and chromatography the identification of pure substances
<b>Vocabulary:</b>	<b>Keywords</b> <a href="#">W Module 18 glossary.docx</a>
<b>Cultural Capital:</b>	
<b>Key assessments- name the assessments</b>	Big question (6 mark question) Mid point <a href="#">W 18.1b Question -LED lesson.docx</a> A range of multiple choice, short answer and a long answer question. <a href="#">18 Test.pdf</a>
<b>What do children know/ can do now (EDSM)</b>	Test marks- <b>Emerging - 20%</b> <b>Developing - 40%</b> <b>Securing - 60%</b>

	<b>Mastered - 80%</b>
What <b>amendments</b> are you going to make following evaluation of this module?	

Lesson	Lesson objective	Differentiation	Homework
1		<p>SEND:</p> <ul style="list-style-type: none"> <li>• Sentence starters</li> <li>• Recall questions to consolidate understanding</li> <li>• Support sheet</li> <li>• Agreed symbols for '<i>read, write, listen</i>'</li> </ul> <p>Challenge:</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>Hinge Questions:</p> <ul style="list-style-type: none"> <li>•</li> </ul>	<b>Educake</b>
2		<p>SEND:</p> <ul style="list-style-type: none"> <li>• Sentence starters</li> <li>• Recall questions to consolidate understanding</li> <li>• Support sheet</li> <li>• Agreed symbols for '<i>read, write, listen</i>'</li> </ul> <p>Challenge:</p> <ul style="list-style-type: none"> <li>•</li> </ul>	<b>Educake</b>

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