

<p><b><u>Links to Prior Learning</u></b></p> <p>Muck, Mess and Mixtures – changing state</p> <p>Moon Zoom – solids and gases</p> <p>Towers, Tunnels and Turrets – design, make evaluate tower building</p> <p>Wriggle and Crawl – performing and composing</p> <p>Secret Garden, Wriggle and Crawl – recording, reporting, analysing data</p>	<p><b><u>Substantive Knowledge</u></b></p> <p>Group solids, liquids and gases</p> <p>Some materials change state when heated or cooled</p>	<p><b><u>Cultural Capital</u></b></p> <p>Book: Cloud Tea Monkeys</p> <p>Art: Salvador Dali – The persistence of memory</p> <p>Music: Harry Potter Soundtrack</p>
<p><b><u>Key Questions</u></b></p> <p>What makes a great product?</p>	<p><b><u>Potions</u></b></p> <p><b><u>Yrs 3/4</u></b></p>	<p><b><u>Key Vocabulary</u></b></p> <p>Solid, liquid, gas</p> <p>Water, ice, steam</p> <p>Heat, cool, melt, dry</p> <p>Evaporation, condensation</p> <p>Temperature</p> <p>Innovative</p> <p>Functional</p> <p>Appealing</p> <p>Design criteria</p>
<p><b><u>Throughout</u></b></p>	<p><b><u>Disciplinary Knowledge</u></b></p> <p>Design – make – evaluate (DT, bath bombs)</p> <p>Ask and answer questions – investigating – observing – equipment and measuring – recording and reporting – analysing data and drawing conclusions (science)</p> <p>Listening and understanding - performing – composing – notating (music)</p> <p>Collecting, analysing and presenting data (computing)</p>	
<p><b><u>Discrete</u></b></p> <p>PSHE - Describe situations that they find stressful and explain ways that they can make these better. Emotional Wellbeing. RE –Y3 Is light a good symbol for celebration? RE – Y4 Does the Christmas narrative need Mary?</p> <p>Computing – Yr 3 - Branching Databases Yr 4 – Data Logging</p>		

<p><b><u>Maths Links</u></b>  Measure, compare, add and subtract: volume (understanding the properties of states of matter), mass (weighing a liquid before and after letting gas escape).  Year 4 to include converting between measures.</p>	<p><b><u>English Links</u></b>  Cloud Tea Monkeys – information text about tea.  If I had Wings – imaginative poetry writing on the theme of potions.</p>
<p><b><u>DT tools and techniques</u></b>  DT in this unit is related more to design and evaluation, rather than using tools and specific techniques.</p>	<p><b><u>Art tools and techniques</u></b>  N/A</p>
<p><b><u>History knowledge to be remembered</u></b>  N/A</p>	<p><b><u>Evaluation 2020/2021</u></b>  Link texts in English went well – Year 3 found Cloud Tea Monkeys a bit trickier due to their understanding of Fairtrade.  Enjoyed science elements of this topic, need to ensure there are 2 clear investigations within the topic for Scientific enquiry. Key questions to be added to inform enquiries.</p> <p>Making bath bombs was a disaster!  Need a better recipe or instructions before doing again.  However the process of evaluating existing, planning and designing, making and evaluating own bath bombs worked well as a process.</p> <p>Music needs to show some form of progression across the year groups</p> <p>The use of music and art stimulus for this topic worked well. Making inferences about both to incorporate prior learning.</p>