



# Individual Activity Lesson Plan

<b>Date:</b> 12.06.20	
<b>Activity Title:</b> Colour changing milk experiment	
<b>Learning Intention:</b>	<b>Activity Overview:</b> Participate in this colour changing milk experiment using milk, food colouring and dish soap.
<ul style="list-style-type: none"> <li>• Can talk about some of the things they have observed.</li> </ul>	
<b>Links to EYFS:</b>	<b>Key vocabulary:</b> Milk, colours, stir, cotton buds, food colouring, colours, mix, change, pour, watch, experiment, science.
<ul style="list-style-type: none"> <li>• Understanding the world: The world: 30-50 months</li> </ul>	
<b>Resources:</b>	
<ul style="list-style-type: none"> <li>• Cows Milk</li> <li>• Food colouring</li> <li>• Cotton buds</li> <li>• Dish soap</li> <li>• Shallow dish</li> <li>• Pipette</li> </ul>	
<b>ACTIVITY IMPLEMENTATION (including key question)</b>	
<b>Introduction:</b>	
<ul style="list-style-type: none"> <li>• Prepare the resources you will need listed above.</li> <li>• Test to see if your child knows their colours.</li> </ul>	
<b>Main activity:</b>	
<ul style="list-style-type: none"> <li>• Pour some milk in a shallow dish, enough to cover the bottom of the dish.</li> <li>• Using pipettes, add approximately 5-6 drops of each colour food colouring to the milk in sections, as seen in this picture.</li> <li>• Pour liquid dish soap into a small bowl and mix with a little amount of water.</li> <li>• Mix the dish soap and water using the end of cotton bud.</li> <li>• Place the soap soaked cotton bud into the centre of the milk dish.</li> <li>• What in amazement as the colours disperse!</li> <li>• You can repeat this by placing the cotton bud back into the dish soap liquid and again placing it in the milk tray, this time you can hold it in any part of the milk dish you wish.</li> </ul>	
<b>Activity review:</b>	
<ul style="list-style-type: none"> <li>• Test your child by asking what happened to the colours and see if they can describe anything they have just observed throughout this activity.</li> <li>• Do this activity with whole milk and semi skimmed milk. Are the results the same? Are there any differences?</li> </ul>	
<b>Additional ways to support your child:</b>	<b>Extension:</b>
<ul style="list-style-type: none"> <li>• Ask your child simple questions throughout this activity to help support their understanding.</li> </ul>	<ul style="list-style-type: none"> <li>• Extend the learning by experimenting with different types of milk, such as soy milk and coconut milk.</li> <li>• Learn about mixing colours: add only red and blue food colouring to make purple, yellow and blue to make green and red and yellow to make orange. The swirling effect mixes the colours together making a new colour.</li> </ul>