

<p>Context: Mixing provocation</p>	<p>Nursery Age 2-4</p>	<p>Title: Mixing bicarb colours</p>
<p>Adult-initiated and supported We spread bicarbonate of soda evenly over the tuff tray. Then, white vinegar into small glass jars with drops of food colouring to make blue, red and yellow. J went to find enough pipettes for all his friends, he carefully shared them around making sure each peer had one. We then began to explore what happened when we added the coloured vinegar to the bicarbonate.</p> <p>G: "it gettin' bubbles!" F: "LOOK HANNAH!!" D "my fishy shape!" Adult: "I wonder what is happening J?" J: "It's blowing up bubbles! It's makin' yellow!" B (adding yellow near the red): "look a orange one" D: "look, I made pink!, I made the colour yellow!" M: "it turned a different colour! Look, it's turning into brown". G (pointing) "Green! Red!" M (bent down close to tray): "look what it's doing J!" They closely watched as each bubble popped individually. L (immersed hands into the bubbly concoction): "cold!" G (looked at her hands): "it's poppin'!"</p> <p>After all the bicarbonate of soda was fully covered in vinegar we tested salt next. We worked collaboratively to clean up the tray, then poured salt across the tray. We added droplets of coloured vinegar onto the salt noticing how this time it does not bubble, but the colouring "bleeds" into the salt. E: "Look at mine, look A!" D and T added all three colours in a line. D: "mine made a rainbow" T: "my rainbow" (pointing) "what's happening now?" S: "it's not fizzing"</p> <p>We concluded how this time it didn't create bubbles. L described the texture as "sugary and icy" S: "hot lava! Very hot lava!" L: "I'm making green with these both colours" A: "orange and green made yellow".</p> <p>Possible future provision/next steps To explore other mixing of ingredients and colours e.g. food colouring dripped into milk, coloured sweets in water/milk.</p>		
<p>Learning outcomes include (Development Matters, Understanding the World): 3 & 4 year olds: <i>Talk about the differences between materials and changes they notice.</i> Characteristics of effective teaching and learning – Playing and exploring: <i>Guide their own thinking and actions by talking to themselves while playing.</i></p>		
<p>Example from Atelier Nursery, Chippenham, Wiltshire</p>		