

## Magical Milk Experiment

TIME	TASK	DESCRIPTION	NEEDS
5 MIN	INTRODUCTION	<b>Teacher Instruction:</b> The teacher will explain the overall task and introduce the students to spectroscopy.	<ul style="list-style-type: none"> <li>Have slides with types of electric motors.</li> </ul>
10 min	Group Read	Read the reading outloud to talk about the big ideas.	
10 MIN	VIDEO	<b>Video Review:</b> Students will watch a video explaining how the <ol style="list-style-type: none"> <li>What causes the color movement?</li> <li>What do the words hydrophobic and hydrophilic mean?</li> <li>What does the fat in milk have to do with this movement?</li> <li>What would happen if this happened in water?</li> </ol>	<ul style="list-style-type: none"> <li>Copies of the lab plan</li> <li>Have instructional video cued and embedded in the powerpoint.</li> </ul>
5 MIN	VIDEO ANALYSIS	Students will write their answers down in their lab books	<ul style="list-style-type: none"> <li>have questions on the slide</li> </ul>
10 MIN	LAB REVIEW	Student and Teacher team will read the lab aloud in preparation.	<ul style="list-style-type: none"> <li>have questions and task on the slide</li> </ul>
20 MIN	LAB COMPLETION	Students will complete the lab	<ul style="list-style-type: none"> <li>have questions and task on the slide</li> </ul>
5 MIN	SMALL GROUP PRESENTATION	Students will present their working motors and explain how they work.	<ul style="list-style-type: none"> <li>have questions and task on the slide</li> </ul>
10 MIN	VIDEO EXPLANATION	All the students in the group will record a video of themselves explaining how the motors work.	
10 MIN	CLEAN UP		