


# Science with the Centre for Electronics Frontiers

[www.cef.soton.ac.uk](http://www.cef.soton.ac.uk)

Each day should provide up to an hour of fun science based learning for children between the ages of 8 and 11.

	Monday	Tuesday	Wednesday	Thursday	Friday
Video	<p><b><a href="#">Sensors</a></b> Make a pH sensor and test the pH of everyday items</p>	<p><b><a href="#">Luminescence</a></b> Learn about light emission</p>	<p><b><a href="#">Batteries</a></b> Make your own battery</p>	<p><b><a href="#">Wifi</a></b> Learn about electromagnetic waves and test your Wifi signal</p>	<p>Choose from the below activities!</p> <p><b><a href="#">Learn about AI</a></b></p>
Links	<p><b>Bio Sensing</b> <a href="#">About biosensing</a> <a href="#">What is a Biosensor?</a> <a href="#">We are biosensors ourselves!</a> <a href="#">Build your own Biosensor</a></p> <p><b>Chemical Sensing</b> <a href="#">Can you solve our liquid mystery?</a> <a href="#">Can you solve our liquid mystery? Part 2</a> <a href="#">Ocean acidification</a></p>	<p><a href="#">The chemistry of turmeric fluorescence</a> <a href="#">The chemistry of glow sticks</a> <a href="#">How glow sticks are made</a> (try this in the science lab not at home!) <a href="#">Chemistry and Light</a> <a href="#">How a flat panel display works</a></p>	<p><a href="#">How batteries work</a></p> <p><a href="#">Battery facts</a></p> <p><a href="#">10 Facts about batteries</a></p>	<p><b>Mechanical Waves</b> <a href="#">Waves wavelength and amplitude</a> <a href="#">Sea waves</a> <a href="#">Sound waves</a> <a href="#">What is sound?</a> <b>Electromagnetic Waves</b> <a href="#">Electromagnetic Radiation</a> <a href="#">How Does Wi-Fi Work?</a></p>	<p>Repeat the experiment you found the most fun!</p> <p>Take a picture of your experiment or draw a picture inspired by the videos you've watched. Send it to us at <a href="mailto:cef@soton.ac.uk">cef@soton.ac.uk</a></p> <p>Watch a movie</p> <ul style="list-style-type: none"> <li>• <a href="#">Dream big: Engineering our world</a></li> <li>• <a href="#">To the Arctic</a></li> <li>• <a href="#">Island of Lemurs: Madagascar</a></li> <li>• <a href="#">If you build it</a></li> <li>• <a href="#">Pirates of Silicon Valley</a></li> <li>• <a href="#">Microcosmos</a></li> </ul>
For Parents	<p><a href="#">How does a lateral flow immunoassay work?</a> <a href="#">Coloured pigments as food, pharmaceutical ingredients and the potential health benefits.</a></p>	<p><a href="#">History of Quinine</a> <a href="#">Learn more about the different types of flat screen displays</a></p>		<p><a href="#">How cell phone works?</a></p>	