

















Physics Super curriculum – Years 12 & 13

 <p>Surely You're Joking Mr Feynman: Adventures of a Curious Character, Ralph Leighton</p>	 <p>A Short History of Nearly Everything, Bill Bryson</p>	 <p>The Physics of Super Heroes, James Kakalios</p>
 <p>Minute Physics https://www.youtube.com/user/minutephysics</p> 	 <p>NASA TV (Online coverage of launches, missions and testing)</p>	 <p>Crash course videos https://www.youtube.com/playlist?list=PL8dPuuaLjXtN0ge7yDk_UA0ldZJdhwkoV</p> 
 <p>Build your own barometer. https://www.youtube.com/watch?reload=9&v=m_VFxqM41EM</p>	 <p>Create a twitter account, follow 10 relevant Physics organisations or physicists.</p>	 <p>Make your own fruit cell at home https://explorable.com/fruitbattery-experiment</p>
 <p>Download and listen to the 'Physics World' podcasts (new podcast released every 48 days)</p>	 <p>Join the Institute of Physics as a student member</p>	 <p>Attend FREE Physics lectures at the Institute of Physics in London (see their website for regular updates of what's on)</p>
 <p>BMW Mini plant tour in Oxford</p>	 <p>The Royal Observatory in Greenwich</p>	 <p>The Royal Institution in London</p>

Other Books:

- A short History of Nearly Everything – Bill Bryson
- Why don't penguins' feet freeze? – New Scientist
- The Grand Design – Stephen Hawking and Leonard Mlodinow
- Newton – Peter Ackroyd
- The Quantum Universe: Everything that can happen does happen – Brian Cox and Jeff Forshaw

Magazines/journals:

- Physics World
- Scientific American
- New Scientist

Places of Interest – London:

- Science Museum
- Imperial War Museum
- The Planetarium
- Greenwich observatory

Websites:

- www.iop.org
- www.sixtrysymbols.com