
















Year 11

Transition Tasks - PHYSICS









 <p>Complete this course in which you will learn the physical processes behind climate variation around the world to better understand the causes of climate change.</p> <p>Causes of Climate Change University of Bergen and Bjerknes Centre for Climate Research</p>	 <p>Listen to this radio programme in which BBC security correspondent Gordon Corera goes inside Britain's secret listening station.</p> <p>GCHQ Cracking the Code BBC Sounds</p>	 <p>Review a scientific paper with the Warwick University journal club. Warning - this is challenging (but very worthwhile) for year 11 students. Do seek teacher support if you struggle!</p> <p>Weekly Journal club University of Warwick</p>	 <p>Watch this video about the big bang theory of how the universe began - why not subscribe and watch the rest of their great content.</p> <p>The beginning of everything Kurzsagat channel</p>	 <p>Complete this course, which explores the science behind nuclear energy and its role in energy provision in the past, present and future.</p> <p>The Science of Nuclear Energy The Open University</p>
 <p>Listen to this radio programme which explores why NASA's third bid to land on the moon was flawed from the start.</p> <p>13 Minutes to the Moon BBC Sounds</p>	 <p>Read this article from a clinical psychologist which provides practical ways to overcome whatever life throws your way.</p> <p>8 tips to help you become more resilient Ideas TED</p>	 <p>Listen to this radio programme in which Brian Cox meets some celebrity physics enthusiasts, including Alan Alda and Eddie Izzard.</p> <p>Physics Rocks BBC Sounds</p>	 <p>If the links don't work for you, try copying them and pasting directly this works better in some cases</p>	 <p>Watch this Royal Institution Talk in which Jim Al-Khalili explores the fundamental concepts of modern physics.</p> <p>The World According to Physics Royal Institution</p>
 <p>Read this book by world famous physicist Stephen Hawking</p> <p>Brief Answers to Big Questions Mydownloadbook.com</p>	 <p>Watch this TED talk which explains why surfers are masters of complicated physics.</p> <p>The Physics of surfing TED Talk – Nick Pizzo</p>	 <p>Listen to this radio programme in which Susan Marling asks why the UK has the lowest proportion of female engineers in Europe.</p> <p>Britain's Hidden Talent: Women Engineers BBC Sounds</p>	 <p>Listen to this radio programme which explores all sorts of science-related topics (including the Coronavirus).</p> <p>BBC Inside Science BBC Sounds</p>	 <p>Watch this TED talk in which George Zaidan describes the physics behind this frustrating phenomenon.</p> <p>Why is ketchup so hard to pour TED Talk – George Zaidan</p>

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 <p>Listen to this radio programme</p> <p>on great scientists such as physicist Paul Dirac Or mathematician and physicist Carl Gauss Or find out more about the planet Venus Or all about Kinetic Theory <i>In Our Time – BBC Sounds</i></p>	 <p>Complete this course which will teach you how to solve encrypted maths puzzles, in which numbers are replaced by letters or symbols.</p> <p>Maths Puzzles: Cryptarithms, Symbologies and Secret Codes <i>Weizmann Institute of Science</i></p>	 <p>Watch these videos composed of 7 short clips on the world of particle physics using lego (and optional question board)</p> <p>Particle Physics <i>Alevelphysics online.com</i></p>	 <p>Complete this course of weekly online tutorials and practice questions to reinforce your GCSE Physics skills</p> <p>GCSE Physics Skills <i>Isaac Physics</i></p>	 <p>Listen to this radio programme which tackles the big issue of lack of diversity in engineering. In the UK, 91% of jobs in the engineering industry are filled by men and 92% of jobs are filled by white people. So what can we do about it?</p> <p>BBC Live Wires How can we make UK engineering more diverse? <i>BBC Sounds</i></p>
		 <p>Complete the final P8 Space topic and fill the gaps in your GCSE knowledge</p> <p>Lesson Resources <i>Oak Academy</i></p>		