















# Year 11

## Resources to help you prepare for Physics A Level



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|  <p><b>Complete</b> 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><a href="#">Causes of Climate Change</a><br/><i>University of Bergen and Bjerknes Centre for Climate Research</i></p> |  <p><b>Watch</b> this YouTube clip in which Anoushka Shankar plays the sitar and shows what can be done with the physics of waves on strings.</p> <p><a href="#">Anoushka Shankar on the sitar</a><br/><i>YouTube</i></p>  |  <p><b>Listen</b> to this radio programme in which Brian Cox meets some celebrity physics enthusiasts, including Alan Alda and Eddie Izzard.</p> <p><a href="#">Physics Rocks</a><br/><i>BBC Sounds D</i></p>                         |  <p><b>Watch Professor Brian Cox</b> on BBC iPlayer as he explores some of the most influential scientists in history in discussion with the remarkable people that they inspired.</p> <p><a href="#">People of Science with Professor Brian Cox</a><br/><i>BBC iPlayer – Prof. Brian Cox</i></p> |  <p><b>Complete</b> this course, which will help you to understand the importance of understanding data science and its successful application to the games industry.</p> <p><a href="#">Data Science in the Games Industry</a><br/><i>The University of Dundee</i></p> |
|  <p><b>Listen</b> to this radio programme which explores why NASA's third bid to land on the moon was flawed from the start.</p> <p><a href="#">13 Minutes to the Moon</a><br/><i>BBC Sounds</i></p>   |  <p><b>Read</b> this article from a clinical psychologist which provides practical ways to overcome whatever life throws your way. Applicable to any subject you choose to study.</p> <p><a href="#">8 tips to help you become more resilient</a><br/><i>Ideas TED</i></p> |   |  <p><b>Complete</b> this course in which you'll explore how airplanes work and explore simple flight mechanics: from take-off and landing, to the physics of flight.</p> <p><a href="#">ABC of flight mechanics: How do planes fly?</a><br/><i>ISAE Supaero</i></p>                               |  <p><b>Watch</b> this TED talk in which physicist Dominic Walliman explains how to explain anything to anyone, especially physics, in 4 simple steps.</p> <p><a href="#">How to explain anything to anyone</a><br/><i>TED Talks – Dominic Walliman</i></p>              |
|  <p><b>Complete</b> this course in which you will learn the physics behind battery storage technology and how it could revolutionise our lives.</p> <p><a href="#">Battery Storage: Technology, Opportunities and Uses</a><br/><i>Future Learn</i></p>   |  <p><b>Watch</b> this TED talk which explains why surfers are masters of complicated physics.</p> <p><a href="#">The Physics of surfing</a><br/><i>TED Talk – Nick Pizzo</i></p>   |  <p><b>Listen</b> to this radio programme in which Susan Marling asks why the UK has the lowest proportion of female engineers in Europe.</p> <p><a href="#">Britain's Hidden Talent: Women Engineers</a><br/><i>BBC Sounds</i></p> |  <p><b>Listen</b> to this radio programme which explores all sorts of science-related topics (including the Coronavirus).</p> <p><a href="#">BBC Inside Science</a><br/><i>BBC Sounds</i></p>   |  <p><b>Watch</b> this TED talk in which George Zaidan describes the physics behind this frustrating phenomenon.</p> <p><a href="#">Why is ketchup so hard to pour</a><br/><i>TED Talk – George Zaidan</i></p>   |

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