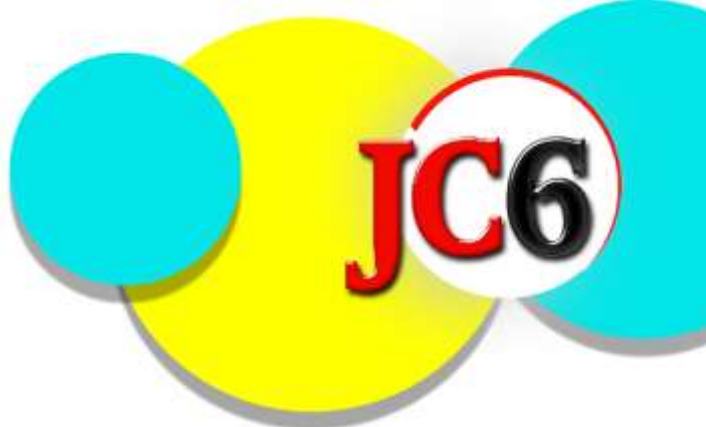


Getting Started with...

Physics



CAN'T WAIT UNTIL THE AUTUMN TERM TO STUDY PHYSICS? THEN YOU'RE IN LUCK!

Below you will see a few tasks you can do to spark your curiosity and get your mind prepared for the journey you will embark on very soon.

The Physics Department are looking forward to welcoming you and broadening your knowledge of Physics. Enjoy!

New *Head Start*:

Have a Kindle? Download a free Kindle edition of CPG Head Start to A Level Physics!

https://www.amazon.co.uk/Head-Start-level-Physics-Level-ebook/dp/B00VE2NII4/ref=sr_1_1?keywords=head+start+physics&qid=1585653862&sr=8-1

Core Skills: Tasks you'll need to have done before September –

1. Follow the link to look at the A-Level specification: <https://www.ocr.org.uk/qualifications/as-and-a-level/physics-a-h156-h556-from-2015/> You don't need to read it all, but pages 11-13 will give you an overview of concepts you'll be learning.
2. Keep your GCSE knowledge in tip-top shape: Work through the Seneca Learning AQA GCSE Higher Physics learning modules: <https://app.senecalearning.com/classroom/course/fe56ca00-05aa-11e8-9a61-01927559cfd5>

Challenge Tasks: Want more? Choose and sign up for a short online MOOC – these are some of our favourite ones in Physics:

<https://www.futurelearn.com/courses/flight-mechanics>

<https://www.futurelearn.com/courses/higgs>

<https://www.futurelearn.com/courses/moons>

<https://www.futurelearn.com/courses/climate-change-the-science>

Exploring Further: During your A-Level Physics course you will learn the fundamental physics concepts that govern the world around you. Check out the TEDEd website and a watch whatever videos spark your interest about real-world physics. The link below will take you to the Physical Sciences area but you could look in the Earth and Space Science area too. Happy watching!

<https://ed.ted.com/lessons?category=physical-science&direction=desc&sort=publish-date>

Like reading? Professor Jim Al-Khalili, a theoretical physicist from University of Surrey, has a written a fiction novel about the fate of Earth with a weakening magnetic field: 'Sunfall' - a book where cutting-edge science meets fiction. Well worth a read!

Looking ahead: Wondering where Physics might take you in the future?

<https://online.flowpaper.com/79590737/Physics20/>



Any questions? Contact us on JC6@hajc.leics.sch.uk
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