

A-Level Physics

You have already had access to induction material, completing tasks for the July induction day. In addition the following need to be completed over the summer and brought with you in September.

Task One

Watch the pre-A-level physics playlist on YouTube by [Physics Online](#). There are videos of good resources to use to prepare for A-level physics, including sessions to recap key skills you will need for A-level physics.

Isaac Physics: - If you can get hold of a Mastering Essential GCSE physics book then working through this is great for helping to understand the key concepts needed at A-level. If not you can use the website [Isaac Physics](#) - select the resources tab for GCSE – Question Finder and choose the level 1 and 2 problem solving skills to help recap the key concepts from GCSE. One of the physics online videos shows you how to make the most of Isaac Physics.

Task Two

Try watching some of the following documentaries. The Jim Al-Khalili ones are especially relevant and are available on YouTube.

Title	Brief description
Atom: Clash of the Titans	This documentary hosted by the brilliant Jim Al-Khalili is all about the discovery of the atom and how it is changed over time
Shock and Awe: The Story of Electricity	Another great documentary from Jim AL-Khalil. This one is all about the discovery of electricity.
Infinite Monkey Cage: Brian Cox and Robin Ince	A podcast of their discussions around different strange questions centred on how our universe works
Gravity and Me: The Force that Shapes our Lives	More Jim Al-Khalili! He follows a few groups of scientists performing experiments to understand the different effects of gravity.
Genius by Stephen Hawking (Disney+ subscription required))	Professor Stephen Hawking uses large scale experiments and incredible stunts to help a group of volunteers get to grips with scientific ideas such as astrophysics and quantum mechanics.

Have a good summer and we look forward to seeing you in September
