



Physics

Please complete one line from the task list below. All students must complete the middle task as part of their line:

Why is the sky blue? Can you explain the physics?	Research a physicist – how are/were they, what did they do and what was its impact?	Look at the AQA syllabus (Copy here: https://filestore.aqa.org.uk/resources/physics/specifications/AQA-7407-7408-SP-2015.PDF) so that you can see what is included. It will also show you what the exams are and how the course works.
Should you run or walk in the rain when you have to get somewhere without an umbrella? Does it depend on the rain direction?	Carry out a physics experiment at home (safely of course!) Be creative! Prepare to share what you did and what you found out in September!	You'll need to develop good practical skills during your A level. Make a start now by accessing the required practical handbook here: https://filestore.aqa.org.uk/resources/physics/AQA-7407-7408-PHBK.PDF Make notes on skills to remember for September.
Visit this page: https://www.aqa.org.uk/resources/science/as-and-a-level/physics-7407-7408/teach/command-words These are the command words that you will need in your exams. Make a note of any that you are unsure of.	Research Olber's paradox. What did he say and why is the night sky dark?	Hit youtube! There's lots of great physics resources out there that you can start to watch. Some good places to look are: https://www.youtube.com/c/PhysicsOnline/featured https://www.youtube.com/user/ScienceShorts https://www.youtube.com/user/DrPhysicsA https://www.youtube.com/user/minutephysics

Suggested resource list:

- CGP Ltd, Head Start to A level Physics (CGP, 2015)
- Betts-Master, K., Prepare for the Challenge of A Level Physics: Study Guide to Bridging the Gap Between GCSE and A Level Physics (Independently published, 2020)

Wider Reading:

- Bryson, B., A Short history of nearly everything (Black Swan, 2004)
- Hawking, S., A Brief History of Time (Bantam Books. 1989)