

Preparing to Study at A level

Work for Physics

Below you will find 5 weeks preparation work (around 10 hrs) for your A level course and an Enrolment Task (2 hrs). You will need to do the same for your other two subjects. The final enrolment task must be submitted to Enrolment@StratfordSchool.co.uk by Monday 12th July.

AQA

You can find the course specification here:

[AQA | AS and A-level | Physics | Changes for 2021](#)

Research Tasks and Wider Reading:

As optional extra areas of study, you might like to read more about;

At CERN, the European Organization for Nuclear Research, physicists and engineers are probing the fundamental structure of the universe. They use the world's largest and most complex scientific instruments to study the basic constituents of matter – the fundamental particles.

<https://home.cern/>

A website written by a practicing physics and maths tutor in London. @physicsandmathstutor is an Oxford physics graduate with a PGCE from Kings College London.

<http://www.physicsandmathstutor.com/>

Ok, so not a website, but a YouTube channel you definitely want to watch. Y12 or AS Physics content is free to view, you will find hundreds of videos made to help you in your A Level physics studies.

<https://www.youtube.com/c/AlevelPhysicsOnline>

physics.org is brought to you by the Physics in Society team at the Institute of Physics. Their aim is to inspire people of all ages about physics. Let them be your guide and show you the best physics places on the web.

<http://www.physics.org/aboutus.asp>

Activities: Please work through the attached transition document by following the links and completing the attached activities

Task 1

Rearranging formulae / Significant figures

Task 2

Atomic structure / recording data

Task 3

Graphs / Forces and motion

Task 4

Electricity

Task 5

Waves

Enrolment Task (This task must be sent to Enrolment@StratfordSchool.co.uk):

Having read through the PIXL Transition to A level physics information and completed the 5 activities listed above please complete the baseline assessment at the end of the document. This will focus on key skills underpinning our ongoing physics learning.

If you have any questions, please contact Ahodgkinson@stratfordschool.co.uk