

A-Level Preparation into the Sixth Form 2023

Physics

Physics requires you to have a solid foundation and therefore a recap of GCSE Physics topics, such as Electricity, Distance-Time graphs, acceleration, momentum, moments, etc is advised. Also, recap the Practical knowledge, eg uncertainty, resolution, graphs, precisions, accuracy, etc.

At St Michael's we follow the AQA A Level GCE for Physics. The course consists of three exam papers and the Science Practice Endorsement, that you will complete in class.

Over the summer there are a number of things that you should do to prepare yourself for starting the course in September.

You can explore the course further by going on the AQA Website:

<https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408/specification-at-a-glance>

Look at the link below, are you familiar with most of the ideas on motion graphs? Look at The Basics of Linear Motion and Displacement and Velocity Time-Graphs, do you know the key terms?

S-Cool- A-level Physics

The link below looks at motion time graphs. Try to ensure that you understand how the graphs are drawn from observing the motion of the body.

<https://www.physicsclassroom.com/Physics-Tutorial/1-D-Kinematics>

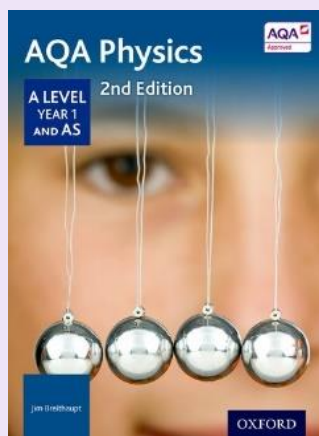
Work through Lesson 1 from the Kinematics Tutorial - Describing Motion in Words. Have a go at answering the following problems

[Distance & Displacement Speed & Velocity Acceleration](#)

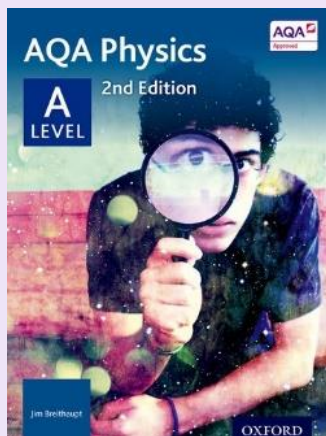
[Describing Motion in Diagrams](#)

You must complete the Physics Transition Paper on the school website and bring it to your first Physics lesson. Your teacher will be available to go through any queries you may have in the Physics Clinic.

Our School text-book is **AQA A Level Physics Book 1 and Book 2 by Jim Breithaupt (Oxford University Press)**



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