

Summer Homework 2026 - Physics

Starting Points

In Physics we have a program called starting points, where, before we start a unit, we ensure all students are at the expected GCSE level. At the beginning of your second lesson, you will be given a GCSE level **test** on the unit we are about to begin. This is to ensure that all students are at the expected level and alert your teacher if you need extra support.

Our first unit is **Statics**. This consists of **Forces, Vectors, Moments** and their applications. Our second unit is **Dynamics**. The test for this will be about 3 weeks into the term, so you should get started on revision for this too.

To help evidence this, you are expected to do some work from **Isaac Physics**.

In order to do the Isaac Physics work you need to go to <https://isaacphysics.org/> and create an account. You will then need to join the class. Go to my account/teacher connections and type this code in.

DENBCT

If you are accessing this document electronically, follow this link, or copy and paste the URL.

<https://isaacscience.org/account?authToken=DENBCT>

This will allow you to join the group – “Welcome to Solihull Sixth Form College” You will then be able to go to “My Boards” and see that you have been assigned 11 boards to complete. Please complete these to evidence your summer revision on these important key topics.

If you have any questions or problems please e-mail Brendan.foster@solihullsf.ac.uk or rick.homer@solihull.ac.uk.

The boards you need to **complete** are listed below. Please feel free to use the table to track your progress.

	Board Name	Completed?	Which questions do you need help with?
4.	Vectors and Scalars		
8.	Speed, Distance and Time		
9.	Displacement and Distance		
10.	Motion Graphs: Displacement-Time		
11.	Acceleration		
12.	Motion graphs – velocity-time		
13.	Resultant Force and Acceleration		
16.	Moments, Turning and Balancing		
19.	Introducing Momentum and Impulse		
20.	Momentum Conservation		
21.	Motion with Constant Acceleration		