

Homework in Mathematics

All Mathematics homework is purposeful and supports learning. It is never set for the sake of setting homework. Mathematics homework should be accessible for all pupils. Support is available in school for pupils at break and lunch.

If a pupil fails to meet a homework deadline, or if homework is completed to a poor standard, a warning will be issued on synergy in the first instance. If this happens again in the same half term, the pupil will be given a detention with the class teacher. The intention of this detention is not to be punitive but rather to support the pupil in completing the work on time and to the required standard.

What does homework look like in KS3 Mathematics?

Homework is set using the Sparx Maths platform. Each week teachers pick topics that will form 60% of the homework. The remaining 40% is generated using an algorithm which looks back at previous topics and resurfaces those topics at regular intervals. The homework is designed to take pupils roughly 1 hour across a full week. Research from RAND Europe and Cambridge University shows that using Sparx Maths for 1 hour a week significantly improves grades.

The Mathematics Department has support in place for pupils with help sessions available on a Monday lunchtime and a Tuesday after school.

Pupils are expected to complete their homework to 100% with Sparx auto adjusting the level of difficulty as it gets to know pupils.

Pupils are also rewarded if they complete their homework by the end of the weekend after it is set. This is to encourage pupils to be proactive and organised in their approach to homework. However, there are additional tasks that pupils can complete to earn extra Synergy reward points.

What does homework look like in GCSE Mathematics?

In addition to pupils completing their weekly Sparx Maths homework, Year 11 pupils are expected to complete a fortnightly GCSE paper from a previous year. This is designed to give pupils as much exposure to the different types of GCSE questions they might be expected to complete in their examinations.