



Courage, Kindness, Compassion, Endeavour, Dignity Home Learning Faculty Policy/Procedures

Mathematics

Intent

Home learning should provide an opportunity for students to develop their mathematical reasoning and communication outside the classroom. This may or may not be at home; it could be in Home Learning Club or in Bright Sparx Club.

Home learning at Marlborough is delivered through the renowned Sparx Maths AI system which responds to the strengths of each individual student.

Students are typically asked to consolidate the work they have been covering in lessons, or to practice a skill within a different context. It may involve preparation for a new topic or research on a related topic, and students will be empowered with the necessary skills to complete all tasks set. This will be achieved through following videos to enable them to answer set questions, and there are opportunities to reflect on and improve an answer.

Implementation

- Practice questions on the topic currently being studied.
- Retrieval practice questions to consolidate previously learnt material.
- Working through a revision video and making notes/answering questions. Sparx maths checks that written workings are being used by asking for repeated book checks.
- Answering exam questions on a particular topic/range of topics.
- Preparing a revision poster or revision notes.
- Research on a particular topic, to be used in the following lesson(s).

Impact

- To create a seamless link between tasks completed at home, whilst reinforcing ideas shown in the classroom and encouraging a forward looking view by students of their learning. This is designed to further support positive attitudes to the learning of maths.
- To embed key topics and give students an opportunity to practice revision skills.
- Consolidation of what students have learnt, and encourage study skills such as organisation.
- Building mathematical confidence, sometimes through offering items that may be next on the programme of study, enabling students to bravely face independent study and learning habits.
- To prepare for future teaching, and to improve literacy and numeracy.
- To practice mathematical communication by ensuring all work is presented neatly and is clearly legible. Book checks are online but they are checked in class.

Key Stage 3

Home learning will be a 1 x 30-minute task set weekly, involving retrieval practice/practice questions on a particular area of maths.



An optional “flipped classroom” home learning may also be set which will involve students being given questions relating to the topic they are learning involving independent study.

Key Stage 4

Home learning will be 40 minutes of online tasks set weekly. Sparx Maths is issued on a Wednesday and is due in the following Wednesday.

Year 11: Tasks will focus on exam preparation – this could include exam questions, revision tasks or specific exercises of questions.

Year 9 and 10: Tasks will involve retrieval practice, practising taught content and will focus on exam preparation before PPEs.

Communication

All communication will be through Edulink.

If home learning is completed before Monday, 5 endeavour house points will be awarded. ‘Completed’ is either 40 minutes spent on the work or 100% accuracy achieved. All home learning completed by Wednesday including that previously awarded 5 points, achieves 2 home learning house points. If home learning is not completed on or before the date set, a message will be sent to inform parents/carers, and the student will be invited to join the maths team on a Thursday lunch time so that we may support them. Failure to complete home learning without a valid explanation will result in a maths detention.

Please contact the class teacher in the first instance to raise a concern about home learning, or alternatively contact Mrs Greenwood (Head of Faculty) – I.Greenwood@marlborough.herts.sch.uk or Miss Sutton (Second in Faculty) – A.Sutton@marlborough.herts.sch.uk.

