



HOMEWORK: MATHEMATICS

YEAR 9, 10 AND 11 - GCSE MATHS

Homework Activities

We aim to use a range of homework activities:

- **Questions** - It is important in Maths to reinforce the methods taught in lessons by completing practice questions. This will be a regular homework.
- **Exam style questions** - these are designed to help students understand the exam criteria and to develop their exam technique.
- **Revision** - This type of homework will be used towards the end of a half term before the Half Term Assessment or in preparation for a larger exam. This could be a set revision task designed to cover the main topics and will highlight areas in need of further work. It may also take the form of directed revision (eg. from the textbook, MathsWatch).
- **Research** - A homework could be set to introduce a topic or method allowing students to find out facts or information themselves from the textbook or internet. This encourages independent work and could help understanding of that topic.
- **Open Questions** - Problem solving is an increasingly important part of the Maths GCSE so an open-ended question or problem may be set to help develop these skills.

How Much Homework is Set?

1 piece of Maths homework is set once a week which should take approximately 1 hour to complete. In Year 9 the class teacher will nominate a homework night (this may differ in week 1 and 2) and will keep to that throughout the year.

In Years 10 and 11 the teacher will set homework on the same night each week (this may differ in week 1 and 2) taking guidance from the homework timetable.

All homework tasks are recorded on Show My Homework.

Students may have a textbook to take home which can be used to review topics for revision and some homework may be set from this. Homework will often be set on MathsWatch - see your teacher for your username and password.

A LEVEL MATHS AND FURTHER MATHS

Students will be expected to complete a range of homework activities including:

- **Research Assignments** - These will be set at the end of each topic or small group of topics and are made up of exam style questions. It is important that students do research the questions they are not initially able to answer. These identify whether a topic has been fully understood.
- **Directed questions** - These will be set from the textbook to reinforce the methods taught in lessons.
- **Revision for tests** - this type of homework is often used as we complete topics; its aim is to give students time to consolidate their understanding before an assessment.
- **Complete classwork** - It is important that students complete an adequate amount of work to completely understand the method being taught as well as its applications. If classwork is not completed then it will often be necessary to do this following the lesson.
- **Making notes** - Students may be asked to make notes and read through examples in preparation for the following lesson.

Students will be set homework tasks in most lessons; the time needed will vary a lot depending on the task and how difficult the students finds it. Most should take approximately 1 hour. If a student finds the task is taking a lot longer than this they should seek help from their teacher.

All homework tasks will be recorded on Show My Homework.

All students also have a textbook which contains further practice questions and this should be used to regularly review work.

Sixth Form Private Study Tasks

We expect students to be completing private study sessions of relevant work each week. A copy of the private study tasks will be issued to students.

Support from Parents and Carers

If you are able to, talking to students about their work can help them to clarify their understanding. We appreciate that not all parents feel confident with Maths so encouraging students to complete the set homework is the most important thing. If they are unsure of how to answer the questions then remind them to look back through the notes in their exercise book or use any textbook they have at home to find similar examples. Discussing the marking and feedback that you see in their exercise books will allow you to see the progress they are making. You might also notice when some extra support is needed and suggest that they pop in and see us. When students are revising you might help by reminding them to complete practice questions and check their answers (they are in the back of the textbook) as this is the most valuable method of revision. They can find further resources to support their revision on the Maths Watch websites.