

Intervention – GCSE Mathematics

A good understanding of mathematics to at least GCSE level is essential for virtually every career in today's rapidly changing, technological world. Every product you buy or use has made use of mathematics at some stage in the production, for example, sending a text message involves the use of codes and algorithm. Mathematics is also essential for managing personal finances.

Our Aims

- To enable each student to develop the mathematical skills and understanding required for adult life, for employment and for further study and training.
- To provide each student with such mathematics as may be needed for the study of other subjects.

Help from class teachers/school

1. Students will focus on 24 key topics over the next 5-6 months during their regular lessons.
2. Class teachers will monitor progress and give appropriate work to help each student to work through the key topics.
3. We will organise revision sessions between February and May. Each session will last about 1hr and be differentiated appropriately.
4. Students will have access to a maths teacher at lunchtimes for help or guidance.
5. We understand that some students have activities after school and have very little time in the evenings to complete homework. We will therefore supervise them to complete their homework during lunch where possible.
6. Some intervention lessons within the timetable to support students.

Expectations of students

1. Be punctual for lessons.
2. Turn up with necessary equipment – scientific calculator, writing and measuring instruments and books.
3. Discuss difficulties with their teacher as and when they arise.
4. Organise work carefully so that it can be followed easily and to show essential working.
5. Complete all homework set each week.
6. Hand in homework on time – students are advised to note deadlines in their planner.
7. Persevere when confronted with challenging problems but seek advice when their strategies prove fruitless.
8. Make a special effort with their in-class assessments.
9. Concentrate fully and make good use of lesson time.
10. Maintain active ongoing revision by practising actual questions on a regular basis.
11. Maintain a sensible attitude conducive to success and a commitment towards hard work.
12. Take responsibility for work missed due to absence and complete that work at the earliest opportunity.

Help from Parents/Carers

In order for your son/daughter to attain his/her maximum potential, we need your help and co-operation. Please note the following:

1. Ask your son/daughter to explain new topics that he/she has experienced – this can help your child to increase his/her own confidence and understanding (you don't have to understand the mathematical content to help in this way!)
2. Ensure that your son/daughter has a scientific calculator of his/her own as well as mathematical equipment (maths set).
3. Ensuring that your son/daughter has packed his/her bag ready for the next school day including books, equipment and homework will assist his/her self-organisation and time-management.
4. Parents/carers are encouraged to communicate with staff if students are anxious about genuine difficulties with homework, or if unusual circumstances are affecting the quality of their work. Please use the contact list for Maths shown at the foot of this page.
5. Encourage your son/daughter to revise thoroughly for tests and examinations – including taking full advantage of revision classes organised for them by the Maths team.
6. Look at your son/daughter's books to comment on the presence of mathematical working and general presentation.
7. Note that your son/daughter should have at least one piece of homework each week. If he/she finishes other set work quickly or work has not been specified, he/she is able to review his/her last completed topic.
8. Provide the necessary facilities and encouragement for your child to devote time to his/her homework.
9. Encourage your child to persevere and always do his/her best even when things are difficult or not going well. Suggest he/she sees his/her teacher regarding any difficulties.

Questions about specific areas of the course can be addressed to:

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