

# FREQUENTLY ASKED QUESTIONS

## Further Maths

### Q 1. What is A Level Further Maths?

*A level Further Maths is a second Maths A level that builds on the knowledge gained in Maths A level. This means that you cannot study A Level Further Maths unless you also study A Level Maths.*

### Q 2. How is the course delivered at Loreto?

*We teach A Level Maths and Further Maths in a blended curriculum to our Further Maths students. The students will be in a dedicated combined A Level Maths and Further Maths class with twice the amount of lessons on their timetables as a single A level class. Each class has two teachers, both of which teach the class elements of Maths and Further Maths A levels. This gives the students the opportunity to learn the Maths and Further Maths topics in a more logical order but also builds the class in to a team as every one of the students has a common goal. This approach has proven over the years to produce passionate Mathematicians as well as excellent results.*

### Q 3. What extra support do you provide?

*Every Further Maths student is issued with a login for Pearson Active learn where they can access all the textbooks needed for Maths and Further Maths A levels. We produce all our own notes for lessons in-house, meaning they are purpose built to meet the student's needs and allow flexibility of teaching. We offer drop-in help sessions and extra lessons for students who may be having difficulties, but also actively encourage our students to communicate any problems via email. We also offer support for students who need to sit entrance tests for university (such as MAT, PAT, STEP, TMUA, CTMUA, ENGAA, NSAA, ECAA) through our VHM (Very Hard Maths) weekly sessions.*

### Q 4. What is the structure of assessments throughout the course?



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*Students are given weekly revision homework with the option to complete extension work. They also have weekly tests based on the homework to make sure they fully understand the work. In addition, we expect all students to continue to work on the topics met in class either through completion of the additional questions in the handout or using the online textbooks.*

*Throughout the two years of study, students will sit mock exams for both Maths and Further Maths A levels that will then be reflected on in class and form action plans for the students' revision.*

*At the end of the two years of study the students will sit 7 exams. Three 2-hour exams for A Level Maths (exactly the same as the Maths A level only students) and four 1.5-hour exams for Further Maths A level.*

## **Q 5. What do I need to be able to study A Level Further Maths at Loreto?**

*You will need to have achieved a grade 8 or 9 in GCSE Maths. The studying of GCSE Further Maths is of benefit but is not essential and most students do not have this when they start the course. You also need to love Maths and be passionate about studying it!*

## **Q 6. What kind of higher education courses or careers could I go in to if I studied Further Maths?**

*Further Maths is a very well thought of A level. It is strongly desirable for many courses at top universities including Oxford and Cambridge. You should strongly consider studying Further Maths if you are thinking of going into or have a passion for Maths, Engineering, Computer Science, Economics or Physics.*

## **Q 7. What areas of Maths are studied in A Level Further Maths at Loreto?**

*Further Maths students at Loreto study all of A Level Maths (Pure, Mechanics and Statistics). In Further Maths A level, they study Core Pure Maths and Further Mechanics 1 and 2. We have a proven track record with this combination of options. Further Mechanics allows students to apply their Core Pure Maths knowledge in a practical way.*

