

Mathematics

The Mathematics curriculum is in line with the Australian Curriculum the International Baccalaureate Middle Years Programme curriculum framework and the French National Curriculum.

The courses available to incoming Year 7 students are:

Students in the English Stream (ES) Advanced Mathematics Extended (for high performing students)

Students in the English Stream (ES) Mainstream mathematics

Students in the English French stream (EFS) study Mathematics following the French National Curriculum.

English Stream students in Year 7 are placed into differentiated classes after Semester 1. In Term 2 all students will undertake a school ability test. The results of the ability test, semester 1 Mathematics results and teacher recommendation will determine student placements in Year 7 classes of Advanced Mathematics Extended or Mainstream Mathematics. All students in Mathematics in the English Stream will be given opportunities to demonstrate their developing competencies, enabling their placement in classes to be reviewed.

Advanced Mathematics Extended (AME) is offered to outstanding students who are interested in undertaking lateral extension. Students in this course are strongly encouraged to participate in the Enrichment and Challenge programs organised by the Australian Mathematics Trust, as well as the various competitions offered throughout the year (e.g. Australian Mathematics Competition and ICAS: Mathematics). All students in the AME class need to continue to demonstrate their interest in and commitment to Mathematics, to remain in this class.

Differentiated course work is undertaken in Mainstream Mathematics classes.

RESOURCES

Mathematics text books are now online resources. There is an annual fee of \$75. This fee covers access to both Mathematics and Science online textbooks.

Students will be expected to provide their own exercise book, geometrical instruments and scientific calculator. Information regarding suitable models will be sent with the communications sent out prior to the start of the new school year. Please note under our *Electronic Device Protocol*, mobile telephones and portable music devices may not be used as calculators.

Students will be expected to purchase a "Mathletics" licence from the school (\$25 per student per year). "Mathletics" is an internet based Mathematics tutorial and interactive Mathematics site which assists with numeracy drill and general skill building. Teachers devote some class time to using this site and may set homework through this site from time to time. (<http://mathletics.com.au>)

ASSESSMENT

Students are assessed using the Middle Years Programme (MYP) Mathematics Assessment Criteria. Tests, assignments and in-class investigations are marked against specific MYP criteria. Students receive a level of achievement against these criteria. At the end of the semester students receive an MYP Grade (1-7) based on totals of achievement against all criteria. A standard grade of E-A is also allotted based on their MYP grade. Tests occur at the end of each term. Tests must be sat at the appointed time. Each semester there are two assignments, one requires an extended effort (the student has 2- weeks to complete), the other is an in-class investigation (taking one or more lessons). Students may also have set homework or be expected to complete class exercises for homework throughout the semester.

COMPETITIONS

All students are invited to participate in the Australian Mathematics Competition and ICAS Mathematics Competition. Other competitions and challenges may be offered.

Telopea Park School

Lycée franco-australien de Canberra

Cooperation ▪ Fairness ▪ Honesty ▪ Respect