

# Advanced Mathematics / Approfondimento Matematica

In year 6 and year 7 this course takes place three times a week.

The subjects in year 6 are:

Compulsory:

- ∞ Foundations of mathematics
- ∞ Determinants and linear algebra
- ∞ Numerical analysis

Optional:

- ∞ Vector spaces (in 2016-2017 and 2017-2018)

In year 7 they are:

Compulsory:

- ∞ Trigonometric functions
- ∞ Limits and power series

Optional:

- ∞ Differential equations (in 2016-2017 and 2017-2018)
- ∞ Further integration (in 2016-2017 and 2017-2018)

In both years the choices for the optional subjects are made by the teacher.

To see the complete syllabuses, use the following link:

<https://www.eursec.eu/en/European-Schools/studies/syllabuses>

A book is not used in this course.

In year 6 there are two B tests.

In year 7 there are two B tests and a compulsory oral exam.