

Mathematics

6^{eme} (6th Grade) [5 periods per week]

Mme. Pauline Mertens

Course Description

This course has three goals: The first one is to consolidate, enrich and organize student's knowledge from elementary school. The second one is to prepare students to acquire new methods and some ways of thinking characteristic to Mathematics. And finally, to develop the ability to use Mathematics tools in different fields (real life, other subjects, ...).

We will follow a spiraled curriculum to work throughout the year on the different topics regularly and to go more and more in depth.

They will be evaluated on the following skills:

- Searching
- Modeling
- Representing
- Reasoning
- Calculating
- Communicating

Timeline

Each chapter will last one to three weeks, depending on the quantity of new skills introduced in the chapter and on the time the students will need to assimilate these new skills. Each lesson will consist of theoretical learning and an important part of practice through exercises in the classroom and at home.

Chapter 1: Calculating with numbers - Addition and subtraction

Chapter 2: Representing and Reasoning with Geometry basis and lines positions

Chapter 3: Calculating with numbers - Division

Chapter 4: Representing and Communicating with Angles

Chapter 5: Representing with numbers

Chapter 6: Representing with tables and graphics

Chapter 7: Representing and Reasoning with Geometry shapes

Chapter 8: Calculating with numbers - Multiplication

Chapter 9: Representing and Modeling with Geometry 3D

Chapter 10: Calculating and Modeling with Proportionality

Chapter 11: Representing and Reasoning with Reflection

Chapter 12: Calculating, reasoning and representing with Fractions and percents