

$$a^2 + b^2 = c^2$$

Mathematics in Greek Primary School

Timetable

1st - 2nd classes

5 teaching hours per Week (1 teaching hour= 45 minutes)

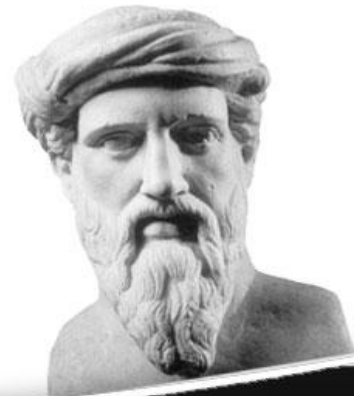
3rd - 4th - 5th - 6th classes

4 teaching hours per Week

Total teaching hours per school year

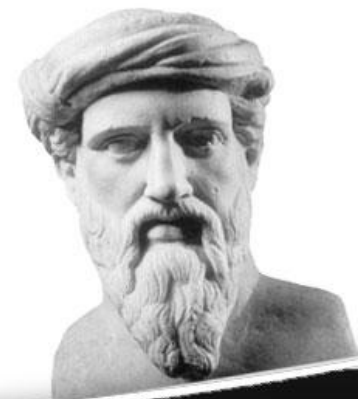
1st - 2nd grades = 175 teaching hours

3rd - 4th - 5th - 6th grades = 140 teaching hours



The syllabus of mathematics

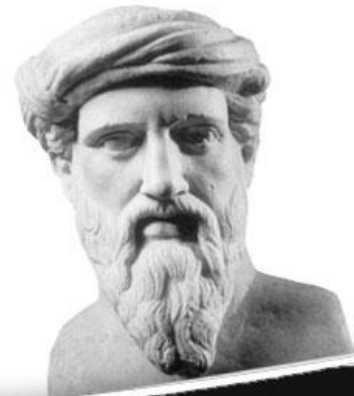
- The current syllabus of mathematics as well as other courses has been implemented in Greece since 2006. The school year 2024-25 will be the beginning of the implementation of the new revised syllabus and the use of the multiple textbook considering the scientific developments and emerging demands of the society of the future.



The objectives of mathematics in Greek primary school

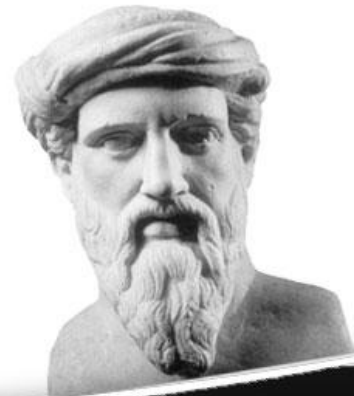
The objectives of teaching mathematics according to the new syllabus are for students to:

- Appreciate and value Mathematics
- Engage in mathematical processes and practices such as reasoning, modeling, communication and reflection
- They use a variety of resources and tools, such as language, symbols, manual and digital tools



The objectives of mathematics in Greek primary school

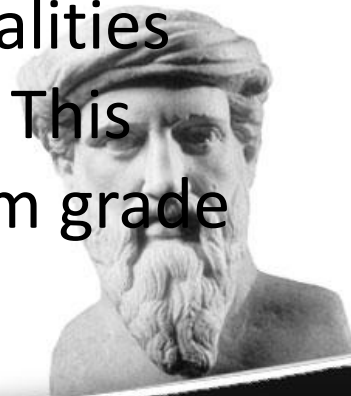
- They recognize connections between Mathematics and other fields of human knowledge
- They confidently use Mathematics to critically understand the world around them
- Develop multimodal approaches to communication and use mathematical language accurately



What the students will learn?

1. Numbers, Algebra and Analysis

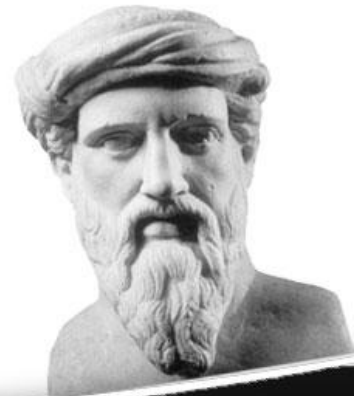
Study of naturals (0,1,2,3, 4, ..), integers (...-2, -1, 0, 1, 2, ...) and rational ($\frac{1}{2}$, $\frac{3}{4}$, 8, $-\frac{2}{5}$, 0.45, -213.65, $\sqrt{4}$...) and the irrational numbers ($\sqrt{3}$, $\sqrt{2}$, 23,1414141414...) and concludes by studying the set of real numbers (all the numbers above) through the study of variables, patterning, equations, inequalities and problem solving and the study of functions. This study is done simply in a spiral arrangement from grade to grade according to the degree of difficulty.



What the students will learn?

2. Geometry, Measurement and Analytic Geometry

The study of the field that contributes to the development of spatial perception by offering possibilities of interpretation and intervention in the natural and built environment.

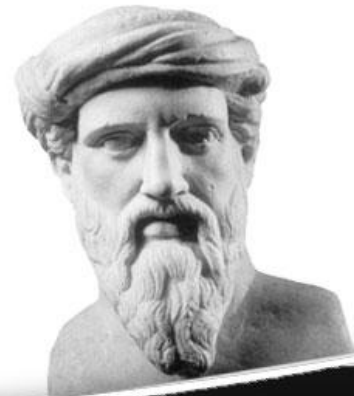


What the students will learn?

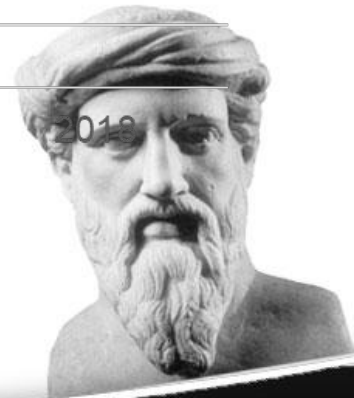
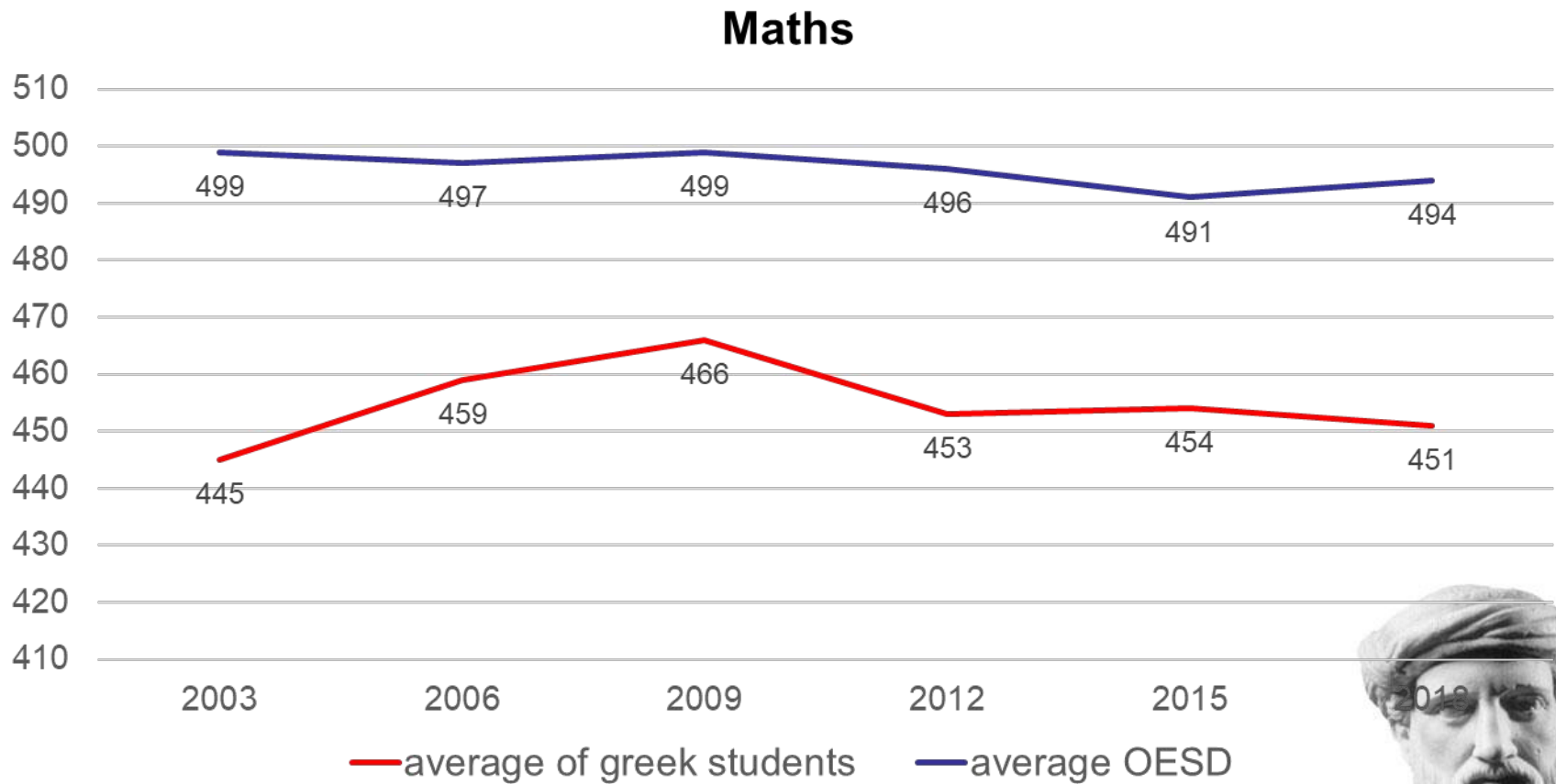
3. Stochastic Mathematics (Statistics - Probability)

The content of Statistics is related to the study of data collection and presentation from small statistical surveys.

The content of Probability is related to the uncertainty of various events and the concept of probability in Primary

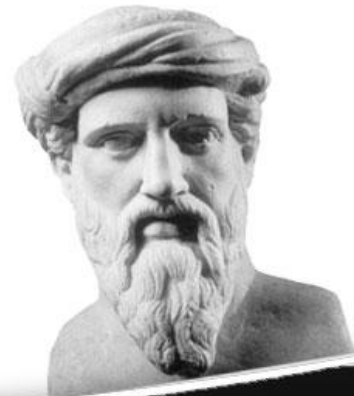


Mathematics ... and the fifteen-years-old Greek students in the PISA



...and the paradox...

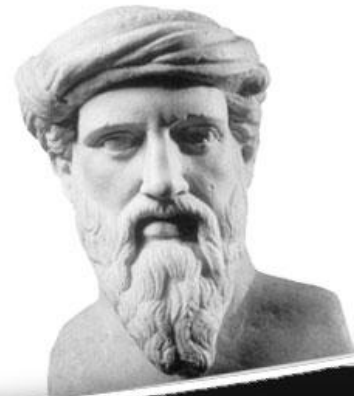
For many years, Greek students participate in mathematical olympiads, occupying important positions and awards.



...however

The Greek government revised the syllabus of all courses at all levels of primary and secondary education and next year it will be implemented on a pilot basis.

In the current school year, the Greek "PISA" is applied in the 6th grade of primary school and the 3rd grade of junior high school in mathematics and Greek language .



Project: Maths is Fine with Digital Style

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