

Mathematics at the FIS (Math, Maths)

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Written Vs Mental Strategies

Calculation Methods used in life	Written Algorithms	Mental Strategies	E tools and calculators
As a %			
Adults			
Kids at School (primary)			

Written Vs Mental Strategies

Calculation Methods used in life As a %	Written Algorithms	Mental Strategies	E tools and calculators
Adults	10%	75%	15%
Kids at School (primary)	85%	10%	5%

Algebra and Algorithms

$$4a + b = 16$$

$$\underline{x} + y = 6$$

4

Definition of Mathematics?

What is mathematics?

How would you describe this to someone who did not know what it is?

What does mathematics mean?

What does mathematics contain?

How does mathematics relate to the real world?

Definition of Mathematics?

The practice of applying logic, imposing structures and recognising patterns to make sense of the world and to communicate it to others.

Mathematics is the science and study of quality, structure, space, and change. Mathematicians seek out patterns, formulate new conjectures, and establish truth by rigorous deduction from appropriately chosen axioms and definitions.

Mathematics is a field of study that involves the exploration and understanding of numbers, quantities, structures, space, and change. It uses a variety of abstract concepts, logical reasoning, and symbolic representations to formulate and solve problems.

Mathematics is the mastered science of how numbers apply to the real world.

Oxford Primary Mathematics PYP

- Resources
- Units for year
- ATLs and concepts
- Planning on Toddle
- Assessments
- Questions

Resources: Reasons for Resource and Review

- Consistency of Mathematics language throughout the school.
- Consistency of Mathematical Mental and Written Strategies.
- Non preference of one national curriculum
- Alignment to the MYP.
- Connection to CPA teaching and learning.
- Following the PYP Mathematics Scope and Sequence
- Allow for IB approaches to learning and approaches to teaching to be implemented consistently

Resources

- K (EY4) - 6 (Grade 5)
- Teachers' Books
- Students' Books
- Practice and Mastery Books
- [Phase Maps](#)
- [Oxford Owl](#)
- Concrete Resources
- Other Supplementary Resources

Units for the Year

- [6 Units](#)
- Weeks and dates set
- Route can be changed except for Number chronologically
- KSU set

Assessments

- Dates given on plan (link on previous slide)
- Pages given with time and other information
- Times can be changed by a small amount of time
- Grade levels need to agree to this
- All classes in a grade level: Assessment done at same day preferably

Questions?



Works Cited

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