Ecole Internationale Provence-Alpes-Côte d'Azur

Forward Planning

Long-Term Semester Planning

Academic Year: 2020-2021

Class: S2
Subject: Maths
Teacher: R. Morones
No. Students: 21

Curriculum – Long-Term Planning 2020-2021

Date	Learning Objectives	Activities	Resources	Key Competences*	Learning Outcomes / Assessment
September 2 weeks	Revision	- Vocabulary - Number properties (prime numbers, square numbers, cube numbers, LCM, HCF, BODMAS) - Geometric shapes (2D and 3D).	- Bingo. - Taboo cards. - Team game (jeopardy).	1, 2, 5, 7	- Correct use of vocabulary - Getting back into school workmode.
September 2 weeks	Rounding	- Rounding to decimal places. - Rounding to significant figures. - Estimation.	- Worksheets. - Bingo. - Tarsia.	1, 2, 4	- Learn to round numbers to 1, 2, 3 decimal places. - Learn to round to significant figures. - Homework (coeff 2)
October 2 weeks	Fractions	- Revision of operations. (add, subtract with common denominator and different denominators). - Multiply and divide fractions.	- Worksheets. - Geogebra activities. - Bingo on equivalent fractions.	1, 2, 3, 4, 5	- Arithmetic operations with fractions.

Ecole Internationale Provence-Alpes-Côte d'Azur

Test on Rounding and fractions (Coeff 2)					
November 2 weeks	Algebra	- Revision (expressions, equations). - Opening brackets. - Solving equations with x on both sides, with brackets.	- Worksheets. - Bingo. - Tarsia.	1, 2, 3, 4	- AfL (tarsia puzzle assessment in levels).
November 2 weeks	Percentages	- Relationship between fractions and percentages, decimals. - Finding percentages and fraction of à number. - Increase/decrease by a percentage. Applied worded questions.	- Worksheets. - Bingo. - Tarsia puzzles	1, 2, 3, 4	- Be able to go from fractions to percentages to decimals. - Homework (coeff 2).
December 3 weeks	Geometry (Quadrilateral, triangle and circles).	- 2D shapes revision. - Units and conversion. - Areas and perimeters.	- Bingo. - Geogebra exploration of shapes. - Worksheets.	1, 2, 3, 4, 5, 7	- Convert successfully between different types of units.
January 3 weeks	Statistiques	- Data definition. - Types of data. - Collecting data.	- Bingo. - Worksheets. - Project.	1, 2, 3, 4, 5, 6, 7, 8	- Know the difference between qualitative and quantitative data.

		- Representing data. - Measures of tendency.			- Know how to collect data. - Learn to read and represent data. - Project (coeff 3)
January/ February 2 weeks	Algebra (Graphs)	- Distance-time graphs. - Revision (straight line graphs). - Applied questions on straight lines. - Quadratic expressions. - Quadratic graphs. Applied questions on quadratic graphs.	- Worksheets. - Geogebra. Matching card game.	1, 2, 3, 4, 5, 6, 7.	- Read and create distance-time graphs. - Convert between units using straight lines.
February/ March 3 weeks	Number (Ratios)	- Introduction to ratios. - Equivalent ratios. - Applying ratios in maps (scale 1:n). - Scale drawings. - Ratios in real life.	- Worksheets. - Poject (Make a scaled map of the school). - Project with art department.	1, 2, 3, 4, 5, 6, 7, 8	- Class work.
March 2 weeks	Geometry (Constructions)	- Construction of parallel lines, perpendicular lines, angle bisectors and perpendicular bisectors. - Exploration of symmetry. - Loci constructions.	- Constructions on paper. - Learning to construct with geogebra. - Worksheets on loci.	1, 2, 3, 4, 5, 6, 7, 8	- Learn how to construct loci. - Learn to choose the correct loci construction. - Homework (Coeff 2)

April 2 weeks	Numbers Rational numbers and powers.	- Rational numbers. - Indices. - Operations with indices.	- Worksheets. - Tarsia puzzle.	1, 2, 4	- Understand and apply index laws correctly.
April 1.5 weeks	Geometry	- Symmetry	- Worksheet. - Geogebra work.	1, 2, 3, 4, 8	- Create figures using geogebra software.
May 2.5	Geometry	- Volums. Worded problems on areas and volums.	- Worksheets. - Geogebra.	1, 2, 3, 4, 8	- Poster (Coeff 3)
June 1 week	Stem Week	- Use of previously acquired topics and appliying them to cross curricular topics.		1, 2, 3, 4, 5, 6, 7, 8	- Poster (Coeff 3)
June 2 weeks	Revision				

* Link to 8 key competences:

1. Literacy (reading and writing)
2. Multilingualism
3. Mathematics, Science, Technology and Engineering
4. Digital
5. Personal, Social and Learning to Learn
6. Citizenship
7. Entrepreneurship
8. Cultural Awareness and Expression