



Ecole Internationale Provence-Alpes-Côte d'Azur



## **Forward Planning**

### **Long-Term Semester Planning**

**Academic Year: 2020-2021**

**Class: S7**

**Subject: Mathematics HL**

**Teacher: E.FOUNAUD**

**No. Students: 7**

## Curriculum – Long-Term Planning

For the competences, see the “checklist” given to the students at the end of each chapter

Date	Learning Objectives	Activities	Resources	key competences	Learning Outcomes / Assessment			
02/09/20 - 16/10/20	<b>Trigonometric identities</b>	Investigations	TI NSpire CX CAS with teacher software	In all chapters: Competences 1,3,4 and 5  During maths week: 6,7 and 8	<u>For each chapter:</u>  Tests in class  <u>For each semester:</u>  Graded Homework  Oral Assessment  B-test			
	<b>Inverse trigonometric functions</b>	Exercises	Mathematics for the international student : Mathematics HL (Core) second edition, Haese & Harris publications					
02/11/20 - 18/12/20	<b>Hyperbolic formulae</b>		Mathematics for the international student : Mathematics HL (Option) second edition, Haese & Harris publications					
	<b>Hyperbolic functions</b>		Further Pure Maths 2, Edexcel AS and A Level Modular Mathematics, Pearson					
04/01/21 - 19/02/21	<b>Integration Part 1 (integration with trigonometric and hyperbolic functions)</b>							
	<b>Differential equation</b>							
08/03/21 – 23/04/21	<b>Expansions</b>							
	<b>Integration Part 2 (integration of rational functions, with</b>							



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	<i>trigonometric substitution and recurrence formulae)</i>		Les Maths en tête, Analyse, Gourdon, Ellipse		
	<b>Maths week</b>				
<b>10/05/20 - 30/05/20</b>	<b>Revisions</b>		Analyse 2, Monier, Dunod		