



Ecole Internationale Provence-Alpes-Côte d'Azur



## **Forward Planning**

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

**Academic Year: 2020-2021**

**Class: S7**

**Subject: Mathematics 5P**

**Teacher: E.FOUNAUD**

**No. Students: 15**

## 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	8 key competences	Learning Outcomes / Assessment
02/09/20 - 16/10/20	<p><b>Exponentials</b></p> <p><b>3D Geometry: lines and planes in space Part 1</b> (tools and equations)</p> <p><b>Study of a function</b></p> <p><b>Complex Numbers Part 1</b> (argand diagram)</p>	<p>Question of the day (QOD)</p> <p>Exercises</p> <p>Exam style questions</p>	<p>TI NSpire CX CAS with teacher software</p> <p>Mathematics for the international student : Mathematics HL (Core) second edition, Haese &amp; Harris publications</p> <p>Mathematics for the international student : Mathematics HL (Option) second edition, Haese &amp; Harris publications</p> <p>Pure Mathematics – Bostock and Chandler</p> <p>Previous European</p>	<p>In all chapters: Competences 1,3,4 and 5</p> <p>During maths week: 6,7 and 8</p>	<p>Tests in class</p> <p>Graded Homework</p> <p>Marked exam style questions</p> <p>Marked exam style paper A and B</p> <p>In January : Pre-Bac Exams</p> <p>In June : European Baccalaureate Exams</p>
02/11/20 - 18/12/20	<p><b>Conditional probability</b></p> <p><b>Primitives</b></p> <p><b>Study of a sequence Part 1</b> (tools and first examples)</p> <p><b>3D Geometry: lines</b></p>				

	<p><b>and planes in space</b>  <b>Part 2</b> (relative positions)</p> <p><b>Integration: simple integration</b></p> <p><b>Discrete probability distribution</b></p>		Baccalaureate Exams		
<p>04/01/21          -          19/02/21</p>	<p><b>Complex Numbers</b>  <b>Part 2</b>          (polar and complex form)</p> <p><b>Logarithms</b></p> <p><b>3D Geometry :</b>  <b>Orthogonal projection and distance</b></p> <p><b>Integration</b>          (applications, change of variable, integration by parts)</p>				



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<p><b>08/03/21</b> - <b>23/04/21</b></p>	<p><b>3D Geometry : Spheres</b></p> <p><b>Study of a sequence Part 2</b> (recurrence relation)</p> <p><b>Complex Numbers Part 3</b> (nth roots)</p> <p><b>Maths week</b></p> <p><b>Continuous probability distribution</b></p>				
<p><b>10/05/20</b> - <b>30/05/20</b></p>	<p><b>Revisions</b></p>				