



Ecole Internationale Provence-Alpes-Côte d'Azur



## **Forward Planning**

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

**Academic Year: 2020-2021**

**Class: S5**  
**Subject: Biology**  
**Teacher: Mrs Morvan**  
**No. Students: 22**

## Curriculum – Long-Term Planning

Date	Learning Objectives	Activities	Resources	Key Competences*	Learning Outcomes / Assessment
September October	<p><b>EVOLUTION</b></p> <p><b>History of life on earth and evidence for evolution</b></p> <p><b>Variation in populations</b></p> <p><b>Inheritance</b></p>	Experimental work, <b>document analysis</b>	Provided documents	Key competences: Literacy (reading and writing) Mathematics, Science, Technology and Engineering Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression	Quick tests (5 mn) Tests Homework can be assessed
November December	<p><b>Struggle for existence</b></p> <p><b>Evolution by natural sélection</b></p> <p><b>MANDELIAN INHERITANCE</b></p> <p><b>A particulate model of</b></p>	Experimental work, <b>document analysis</b>	Provided documents	Key competences: Literacy (reading and writing) Mathematics, Science, Technology and Engineering Digital Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression	Quick tests (5 mn) Tests Lab reports Homework can be assessed Lab sessions B-Test

January February	<p><b>inheritance</b></p> <p><b>More complex phenotypes from monohybrid crosses</b></p> <p><b>CHROMOSOMAL INHERITANCE</b></p> <p><b>Meiosis</b></p>	Experimental work, <b>document analysis</b>	Provided documents	Key competences: Mathematics, Science, Technology and Engineering Digital Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression	Quick tests (5 mn) Tests Lab reports Homework can be assessed Lab sessions
March April	<p><b>Sex determination</b></p> <p><b>MOLECULAR INHERITANCE</b></p> <p><b>DNA structure and function as code for proteins</b></p> <p><b>DNA replication</b></p>	Experimental work, <b>document analysis</b>	Provided documents	Key competences: Mathematics, Science, Technology and Engineering Digital Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression	Quick tests (5 mn) Tests Homework can be assessed
		Experimental	Provided		

<p>May June</p>	<p><b>Uses and abuses of evolutionary theory and genetics</b></p> <p><b>Field Trip</b></p> <p><b>Sexuality and relationships</b></p>	<p>work, <b>document analysis</b></p> <p>Cancelled due to the health crisis</p> <p>4 periods of open-ended discussion and education on the theme of human sexuality</p>	<p>documents</p> <p>Provided documents</p>	<p>Key competences: Mathematics, Science, Technology and Engineering Digital Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression</p> <p>Key competences: Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression</p> <p>Key competences: Personal, Social and Learning to Learn Citizenship Cultural Awareness and Expression</p>	<p>Quick tests (5 mn) Tests Lab reports Homework can be assessed Lab sessions B-Test</p> <p>Field-trip report</p>
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