



Ecole Internationale Provence-Alpes-Côte d'Azur



## **Forward Planning**

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

**Academic Year: 2020-2021**

**Class: S3**

**Subject: Integrated Science (Biology part)**

**Teacher: Mr CANHAM**

**No. Students: 21**

## Curriculum – Long-Term Planning 2020-2021

Date	Learning Objectives	Activities	Resources	Key Competences*	Learning Outcomes / Assessment
September-October	<b><u>Part 1: The soil</u></b>				
	- recognition	Observation of the soil horizons	Photographs of soil horizons		Labelling test.
	- characteristics	Observation of a soil sample using a stereomicroscope	Soil samples from the school		Stereomicroscope skills training
	- Organisms	Observation of microfauna using a microscope	Tullgren funnel diagram		Microscope skills training.

Autumn Holidays					
<b>November-December</b>	- Water retention	Eosin and methylene blue practical.	Clay and humus complex diagram		Carry out an experiment - test on the clay and humus complex
	- pH of soils		Exercice on pH of fields.		General knowledge
	- pollution and effects of agriculture	Watch part of the movie Dirt.	Debate; pros and cons of agriculture.		Debating, expressing ideas.
Christmas Holidays					
<b>January - February</b>	<b><u>Part 2:</u></b> <b><u>Microscopic world</u></b>  Microscope observations of microorganisms	Observation of yeast Observation of pond water.	Exercise: presentation of different microorganisms		Microscope skills evaluation.

	<p><b><u>Part 3: Health education</u></b></p> <ul style="list-style-type: none"> <li>- Antibiotics</li> </ul>	Making an antibiogram			Carry out an experiment.
Winter Holidays					
<b>March - April</b>	<ul style="list-style-type: none"> <li>- Diseases</li> <li>- Viruses</li> <li>- Vaccination</li> <li>- Principles of hygiene.</li> <li>Contraceptive methods and their association with sexually transmitted diseases (aids...)</li> <li>Mental health,</li> </ul>	Experimental work, <b>document analysis</b>	Provided documents	<p><b>Mathematics, Science, Technology and Engineering</b></p> <p><b>Personal, Social and Learning to Learn</b></p>	Quick tests (5 mn) Lab sessions Tests

	eating disorders, substance abuse,....				
Easter Holidays					
<b>May – June</b>	<u><b>Part 3: Health education</b></u> <b>- Muscles and the skeleton</b>	Experimental work, <b>document analysis</b>	Provided documents	<b>Mathematics, Science, Technology and Engineering</b>	Quick tests (5 mn) Lab sessions Tests



# Ecole Internationale Provence-Alpes-Côte d'Azur



\* 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