



Ecole Internationale Provence-Alpes-Côte d'Azur



## **Forward Planning**

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

**Academic Year: 2020-2021**

**Class: S4**

**Subject: Biology**

**Teacher: Mr CANHAM**

**No. Students: Gr 1: 13 Gr 2: 15**

## Curriculum – Long-Term Planning 2020-2021

| Date              | Learning Objectives                       | Activities                                     | Resources          | Key Competences*  | Learning Outcomes / Assessment              |
|-------------------|---|--|--------------------|---|---|
| September-October | <b>4.1. Introduction to biology</b>       | Class discussion                               | Provided documents | <b>Literacy (reading and writing)</b>                   | Defining concepts                           |
|                   | <b>4.1.1. What is "alive"?</b>            |  |                    |   |   |
|                   | <b>4.2. Cells</b>                         |  |                    |   |   |
|                   | <b>4.2.1. The cell theory</b>             | Experimental work,<br><b>document analysis</b> | Provided documents | <b>Mathematics, Science, Technology and Engineering</b> | Quick tests (5 mn)<br>Lab sessions<br>Tests |
|                   | <b>4.2.2. Cell structure and function</b> | (microscope observations)                      |                    |   |   |
|                   | <b>4.2.3. Single-celled organisms</b>     |  |                    |   | B-test n°1                                  |

| Autumn Holidays   |   |   |   |  |  |
|-------------------|---|---|---|--|--|
| November-December | <p><b>4.3. Levels of organisation in living things</b></p> <p><b>4.3.1. Levels of organisation from chemical elements to multicellular organisms</b></p> <p><b>4.3.2. Reproduction in multicellular organisms</b></p> | <p>Experimental work,<br/><b>document analysis</b></p> <p>Experimental work,<br/><b>document analysis</b></p> | <p>Provided documents</p> <p>Provided documents</p> | <p><b>Mathematics, Science, Technology and Engineering</b></p> | <p>Quick tests (5 mn)</p> <p>Lab sessions</p> <p>Tests</p> |
|                   | <p><b>B-test n°2</b></p>  |   |   |  |  |

| Christmas Holidays        |   |  |                    |   |   |
|---------------------------|---|--|--------------------|---|---|
| <b>January - February</b> | <b>4.4. Communication</b>                                     | Experimental work,<br><b>document analysis</b> | Provided documents | <b>Citizenship (research environmental endocrine disruptors due to human pollution)</b> | Quick tests (5 mn)<br>Lab sessions<br>Tests                   |
|                           | 4.4.1. Chemical communication<br>4.4.2. Nervous system        |  |                    |   |   |
| Winter Holidays           |   |  |                    |   |   |
| <b>March - April</b>      | <b>4.5. Transport</b>   | Experimental work,<br><b>document analysis</b> | Provided documents | <b>Mathematics, Science, Technology and Engineering</b>                                 | Quick tests (5 mn)<br>Lab sessions<br>Tests<br><br>B-test n°3 |
|                           | 4.5.1. Absorption and uptake                                  |  |                    |   |   |
|                           | 4.5.2. Transport within the organism<br>4.5.3. Waste disposal |  |                    |   |   |

| Easter Holidays   |   |                          |                    |  |   |
|-------------------|---|--------------------------|--------------------|--|---|
| <b>May – June</b> | <b>4.6. Control</b><br><b>4.6.1. Control of the self</b><br><br><b>4/5.0. Human Sexuality</b><br><br><b>4/5.0.1 Sexuality and relationships</b> | <b>document analysis</b> | Provided documents | <b>Mathematics, Science, Technology and Engineering</b><br><br><b>Personal, Social and Learning to Learn</b> | Quick tests (5 mn)<br>Tests<br><br>B-test n°4 |



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\* 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