



Growing together to achieve international success



BIOLOGY PROGRAM.

2022 – 2023

Growing together to achieve international success

1.- Content and schedule in ESO and Bachillerato.

1º ESO	
TERM	UNITS
1	Unit 1 Made up of cells Unit 2 Vital processes Unit 3 Nutrition
2	Unit 4 Relation Unit 5 Reproduction Unit 6 The diversity of life
3	Unit 7 Minerals and rocks Unit 8 Water planet Unit 9 Weather and atmosphere

3º ESO	
TERM	UNITS
1	Unit 1 The Living Cell Unit 2 Human nutrition Unit 3 The human relationship
2	Unit 4 Human reproduction Unit 5 The immune response Annex Health and disease
3	Unit 6 Ecology Unit 7 External geological processes Unit 8 Climate

Growing together to achieve international success

4º ESO	
TERM	UNITS
1	BLOCK I: The evolution of life 1.The cell 2.The basis of heredity 3.The transmission of characters. Half Term 4.Genetic engineering
2	BLOCK I: The evolution of life 5. Origin of life and evolution BLOCK III: Ecology and the environment 6. Ecosystems and environmental factors. Half Term 7. Matter and energy in ecosystems. 8. Ecosystems and humans
3	BLOCK II:Earth Dynamics 9. A dynamic planet. Half Term 10. The evolution of relief 11. We study the history of the Earth 12. The history of the Earth
Throughout the year	BLOCK IV: Research project

1º BACHILLERATO BIOLOGÍA	
TERM	UNITS
1	BLOCK I: Biomolecules a. The basic nature of life b. The cellular organization of living organisms BLOCK II: Molecular genetics c. Biodiversity: origin and conservation d. The classification of living organisms

Growing together to achieve international success

2	<p>BLOCK III: Cell biology</p> <ol style="list-style-type: none"> 1. Plant nutrition 2. Relationship and reproduction in plants 3. Nutrition in animals I 4. Nutrition in animals II 5. Relationship and coordination in animals 6. Reproduction in animals <p>BLOCK IV: Metabolism</p>
3	<p>BLOCK V: Genetic engineering and biotechnology</p> <p>BLOCK VI: Immunology</p> <ol style="list-style-type: none"> 1. History of life and the Earth 2. Internal structure and composition of the Earth 3. Plate tectonics 4. Magmatism and plate tectonics 5. Manifestations of lithospheric dynamics 6. External processes and the rocks they originate 7. How the Earth works

2º BACHILLERATO BIOLOGÍA

TERM	UNITS
1	<p>BLOCK I: Molecular and physico-chemical basis of life</p> <ol style="list-style-type: none"> 1. The basic components of the cell 2. The carbohydrates 3. Lipids 4. Proteins and enzymatic action. Half term 5. Nucleotides and nucleic acids. <p>BLOCK II: The living cell</p> <ol style="list-style-type: none"> 6. The cell and cell envelopes. 7. Cellular organelles I. 8. Cell organelles II.
2	<ol style="list-style-type: none"> 9. The cell cycle 10. Metabolism I 11. Metabolism II. Half term <p>BLOCK III: Genetics and evolution</p> <ol style="list-style-type: none"> 12. Mendelian genetics 13. Molecular basis of inheritance.

Growing together to achieve international success

	14. Genetics and evolution.
3	BLOCK IV: The world of microorganisms and their applications. Biotechnology 15. Acellular forms and microorganisms 16. Biotechnology 17. Immune system 18. Immune system disorders. Half term

2º BACHILLERATO CIENCIAS DE LA TIERRA Y EL MEDIOAMBIENTE

TERM	UNITS
1	BLOCK I: Environment and sources of environmental information 1.The environment BLOCK II: Fluid layers and dynamics 2.Atmosphere and hydrosphere. BLOCK III: Atmospheric pollution 3.Atmospheric pollution
2	BLOCK IV: Water pollution. 4.The hydrosphere: dynamics and resources. BLOCK V: The geosphere and geohazards. 6. The geosphere, internal dynamics.
3	BLOCK VI: Circulation of Matter and Energy in the Biosphere Energy and matter in the ecosystem BLOCK VII: Management and sustainable development 15.Main environmental problems.



Growing together to achieve international success

2.-Promotion criteria

In order to be promoted, it is necessary to pass the basic standards/knowledge considered minimum in each didactic unit/programming unit

3.- Assessment procedures and instruments

The assessment will be carried out taking into account the assessment criteria determined and measuring the degree of achievement of each student in the evaluable learning standards/basic knowledge assigned to them. The following assessment instruments will be used to assess the standards:

- Written and/or oral tests, which will serve to obtain information about the level acquired in terms of learning, understanding and application of concepts, use of classification techniques, interpretation, graphs, photographs, scientific diagrams, etc.
- Observation and recording of the student's work carried out in class and at home in terms of individual and group activities, laboratory practices, class participation, results obtained in documentation and research work, perseverance in personal learning efforts, etc.

The student will be informed at the beginning of each didactic unit/programming unit which competences/knowledge he/she is expected to achieve at the end of the unit. The mark obtained by each student will vary between 0 and 10 for each unit and a 5 will be necessary to consider it passed.

Teachers may establish, in the development of their teaching practice, challenges and activities so that students can improve their marks in each of the sections.

Those students who miss a specific exam will not be able to take it on another day unless there is a medical justification or an official document accrediting the student's absence from the test. If in any test, exam or work it is discovered that the student has copied the mark for that activity will be 0 and the student will be reprimanded. In the event that the teachers have doubts about whether a student has copied, they reserve



Growing together to achieve international success

the right to ask for the resolution of the test again in order to assess whether the student really has the required knowledge.

During the exams, spelling mistakes will be taken into account, deducting 0.1 points for spelling mistakes and 0.05 for accentuation or punctuation mistakes, up to a maximum of 1 point.

Students' homework will not be accepted after the established deadline.

After each assessment there will be a make-up exam. In this exam, all the basic standards/knowledge corresponding to that assessment will be assessed, although it is at the teacher's discretion to test students only on some standards/knowledge if he/she considers that others are well consolidated.

Students who do not pass in June may be examined in the extraordinary exam in September, which will be based on the minimum learning criteria worked on during the course. In order to pass the exam, the student must obtain at least five points (out of ten) in the exam.

Those students who have more than 30% of unexcused or justified absences will lose the right to continuous assessment and, as a consequence, an extraordinary assessment will be applied which will consist of a written test on the minimum learning standards. In these cases, the teacher may also ask the student to carry out and present work to help them pass the subject.

4.-Recovery actions and activities

Students with subjects pending from other courses will take a recovery divided into two mid-term exams. They may also be given a notebook with activities on the subject to be covered, which they must hand in when taking the exams. The approximate dates of the mid-term exams will be: first mid-term in February and second in May. Each case will be studied individually in order to provide the student with the maximum support with the aim of guaranteeing recovery.

The final mark for the recovered subject will be calculated in the following way: 60% exams and 40% booklet.

A minimum score of 4 out of 10 in each of the parts will be necessary to obtain an average.



Growing together to achieve international success

Students who fail an assessment during the course will be guided towards the make-up exam for the failed assessment, indicating the minimum content and/or basic knowledge that is necessary. Whenever possible, we will offer breaks to resolve doubts or to revise for the exam.