

## SESSION 1: DIVERSITY OF LIFE

**Date: 3<sup>rd</sup> July**  
**Time: 9:00 – 13:00**

- ✓ Understand the classification of living organisms.
- ✓ Explore the different kingdoms of life.
- ✓ Introduce the concept of biodiversity and its importance.

**Activities will include a biodiversity walk and exploring different preserved organisms to explore the diversity of life.**

## SESSION 2: CELLS – THE BUILDING BLOCKS OF LIFE

**Date: 10<sup>th</sup> July**  
**Time: 9:00 – 13:00**

- ✓ Learn the structure and function of plant and animal cells.
- ✓ Understand the differences between prokaryotic and eukaryotic cells.

**Activities will include microscope lab and interactive cell model activity.**

## SESSION 3: BIOMOLECULES

**Date: 17<sup>th</sup> July**  
**Time: 9:00 – 13:00**

- ✓ Understand the four major types of biomolecules: carbohydrates, lipids, proteins, and nucleic acids.
- ✓ Learn about the functions of these biomolecules in living organisms.

**Activities will include a biomolecule detection lab and extraction of your own DNA!**

## SESSION 4: ANIMAL PHYSIOLOGY

**Date: 24<sup>th</sup> July**  
**Time: 9:00 – 13:00**

- ✓ Understand the major systems of the human body and their functions.

**Activities will include interactive physiology stations.**

## SESSION 5: PLANT PHYSIOLOGY

**Date: 31<sup>st</sup> August**  
**Time: 9:00 – 13:00**

- ✓ Understand the structure and function of plant organs and tissues.
- ✓ Learn about photosynthesis and plant reproduction.

**Activities will include Extraction of pigments, photosynthesis experiments, flower dissections and microscope lab.**

## SESSION 6: ENVIRONMENTAL ECOLOGY AND MALTESE ECOLOGY

**Date: 7<sup>th</sup> August**  
**Time: 9:00 – 13:00**

- ✓ Understand key concepts in local ecology and conservation.
- ✓ Explore the unique ecology of Malta and the importance of local conservation efforts.

**Please note that this session might NOT TAKE place at the Junior College. We will send more details in due course.**

# Biology Summer Camp

The camp will consist of six 4-hour sessions, each dedicated to a specific topic within biology. The sessions will be designed to be interactive and hands-on, ensuring that students engage deeply with the material.

Sessions will be held every Thursday, starting 3<sup>rd</sup> July till 7<sup>th</sup> August from 9:00 – 13:00.

Location: G.F. Abela Junior College, Msida

By the end of the camp, students will have a comprehensive understanding of key biological concepts, practical experience with scientific techniques, and a deeper appreciation for the biodiversity and ecology of Malta.

**\*Please note that activities can change without notification.**