

Biology S6 (2P)

- **Class hours:** 1h30 per week, in English
- **Equipment:** 2 science rooms containing all the required equipment (sink, electrical equipment) and one regular room, all with computers. The maximum number of students per class is 24.
- **Topics covered in S6 (2P):**
 - Nutrition: Food composition, role of different food component, food and health, making and preserving food.
 - Disease: pathogens, transmission of disease, non-specific defence, specific defence.
 - Interaction between mankind and environment: nerves, hormones, behavior, effect of chemicals on the nervous system.
 - Impact of Mankind on Nature: treatment and recycling of waste, Biodiversity, Atmospheric pollution, water purification.

Students study the different topics by performing experiments and analyzing the results, as well as carrying out small projects.

Biology S6 (4P)

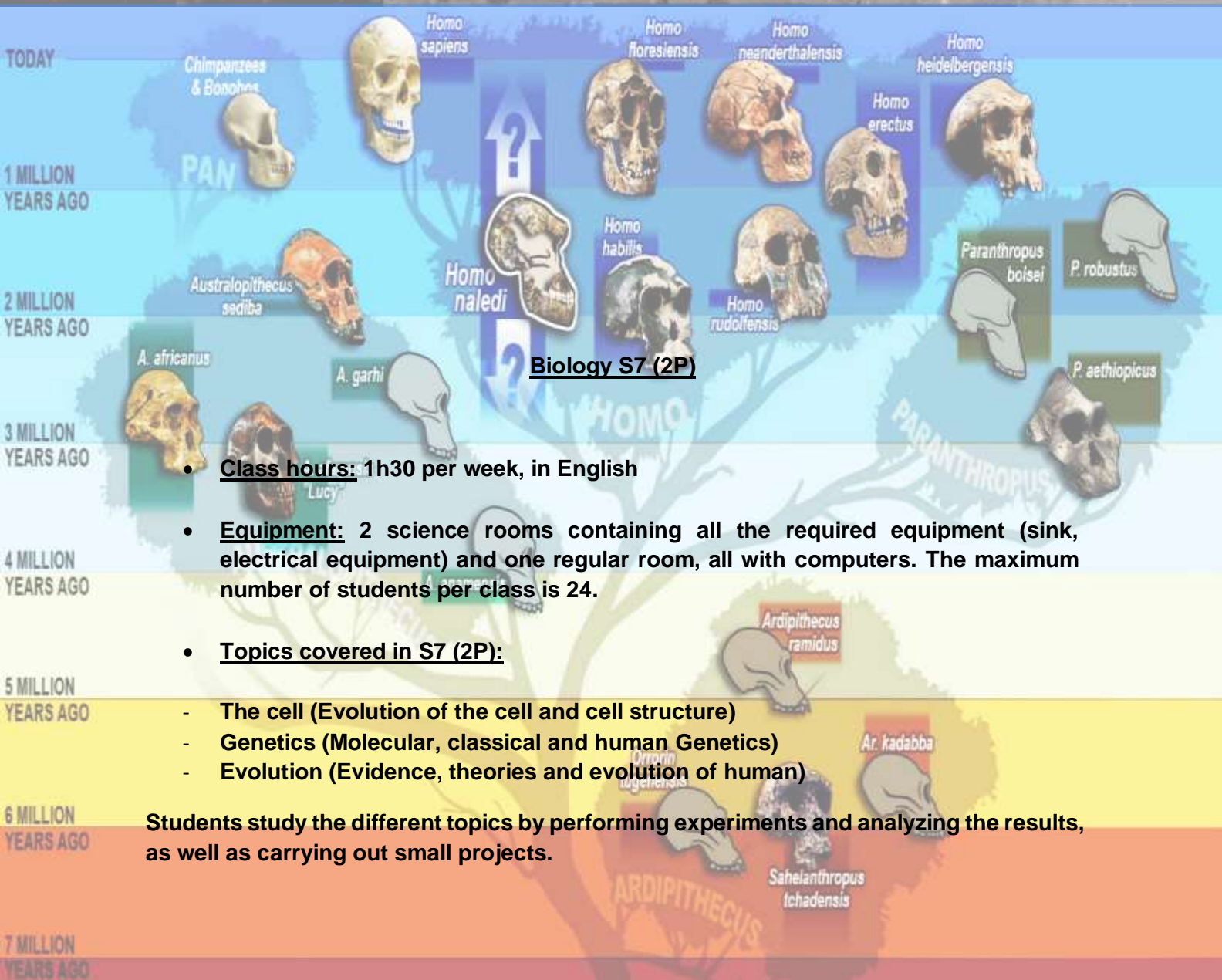
- **Class hours:** 3h per week, in English
- **Equipment:** 2 science rooms containing all the required equipment (sink, electrical equipment) and one regular room, all with computers. The maximum number of students per class is 24.
- **Topics covered in S6 (4P):**
 - Cytology (Composition of living things, enzymes, the cell, ultrastructure. excitable cells)
 - Internal regulation (Nervous and hormonal regulation, homeostasis, the bodies defence)
 - Major characteristics of human and animal behaviour (Innate behaviour, Social behaviour)
 - Management of water resources

Students study the different topics by performing experiments and analyzing the results, as well as carrying out small projects.

Lab science: Practical Biology S6

- **Class hours:** 1h30 every 2 weeks, in English
- **Equipment:** 2 science rooms containing all the required equipment (sink, electrical equipment) and one regular room, all with computers. The maximum number of students per class is 24.
- **Topics covered in lab science**
 - Scientific Method and techniques : carry out a complete scientific research in order to produce biodegradable plastic
 - Techniques and technology: Crime investigation (pollen, soil, electrophoresis...)
 - Physiology and Anatomy: observation of a collection of microscope slides part 1

Students study the different topics by performing experiments and analysing the results, as well as carrying out projects.



Students study the different topics by performing experiments and analyzing the results, as well as carrying out small projects.

Red

White

Biology S7 (4P)

Class hours: 3h per week, in English

parents



- Equipment: 2 science rooms containing all the required equipment (sink, electrical equipment) and one regular room, all with computers. The maximum number of students per class is 24.

- Topics covered in S7 (4P):

- Cytology (Membranes and cellular exchanges, Energy fixation and formation of organic molecules, Energy release and the breakdown of organic molecules)
- Genetics (classical and molecular genetics, mutations, human heredity)
- Evolution (evidence for evolution, origin of life, theories of evolution, human evolution)

F1

Students study the different topics by performing experiments and analysing the results, as well as carrying out small projects.

All Pink

Lab science: Practical Biology S7

- Class hours: 1h30 every 2 weeks, in English
- Equipment: 2 science rooms containing all the required equipment (sink, electrical equipment) and one regular room, all with computers. The maximum number of students per class is 24.
- Topics covered in lab science:
 - Ecology: field study, quadrats, herbarium.
 - Techniques and technology: temperature detector and study of the gulfstream
 - Physiology and Anatomy: observation of a collection of microscope slides part 2

Students study the different topics by performing experiments and analysing the results, as well as carrying out small projects.