

Group 4

BIOLOGY

Biology in the IB Diploma Programme is addressed primarily to those who are interested in studying medicine, psychology, bioinformatics or biology and life sciences, both in Poland and around the world (Great Britain, the Netherlands, Germany, the USA, Australia and Asia).

From the compound metabolic processes taking place inside the cells of living organisms to the equally complex relationships between the components of various ecosystems - during the course, students not only learn about the world of living beings at various levels of organization in a theoretical way, but also have the opportunity to get to know it in a practical way. People who choose biology will both experiment in class and design their own experiments.

Biology has two levels: Standard Level (SL) and Higher Level (HL). By choosing SL, during 4 lessons a week you will have core – basic knowledge of biology. People choosing the HL level during 6 lessons a week, in addition to core, will also acquire additional knowledge (Additional Higher Level - AHL). As part of the core, students learn about such topics as: molecules, cells, organisms, ecosystems. In addition to the topics above, people who take the HL course (during AHL classes) will have the opportunity to broaden their knowledge on issues related to: viruses, cladistics, muscle and motility, origins of cells, gene expression, chemical signalling.

During the biology course students will perform their own experiments as part of the Scientific Investigation and will implement an interdisciplinary project (Collaborative Sciences Project) together with students from other Group 4 subjects, i.e. chemistry, physics and computer science. Biology gives you the opportunity to carry out in-depth research as part of the Extended Essay (EE).

Biology is one of the most intensively developing scientific disciplines. There is still a lot to be discovered, and the world needs competent biologists, biotechnologists, bioinformatics specialists, ecologists, psychologists, doctors, lab technicians, medical analysts and specialists in many other professions in which knowledge of biology facilitates understanding of the processes in the world of living organisms. Choosing IB Biology at our school prepares you for just that career.

We invite you!!!