

Bartosz is an exceptional student; he attends the second grade of Kazimierz Jagiellończyk General Bilingual Secondary School in Elbląg, a mathematical and physical profiled class with extended computer science, where he achieved an average grade of 5.64 (max. 6.0). He received maximum grades e.g. in mathematics, computer science, and English, but not much lower in physics. These results give rise to the belief that the student can easily cope with learning and working in the so-called science classes at any university with English as the language of instruction.

Bartosz declared that he would take as many as four subjects in the extended mode at the school leaving examination: English, mathematics, physics and computer science. Noteworthy is the fact that German is the second language at his school, while he learns Spanish on his own.

Bartosz skilfully engages in team work, he can both lead and efficiently carry out the orders of other people. He shows initiative, and is able to force his own solutions, but is also able to step back when he can see the possibility of more efficient work in the suggested work model.

In the school year 2021-2022, Bartosz participated in the classes of the "Python Programming" club organized under the auspices of the IT Championship Centre (<https://cmi.edu.pl>). The classes were held every week though the entire year. The participants tested their skills in the task league and in the third algorithmic competition. Bartosz actively participated in the modules, developing his knowledge in the field of programming.

When we organized a concert at school to raise funds for a sick student Mikołaj from Elbląg or created postcards with dinosaurs for a sick girl, Bartosz was actively involved in particular activities. He did not limit himself only to the school area, he was an instructor at the Water Group camp during the summer holidays. He also successfully participated in the International Mathematical Competition Kangaroo 2022 and the Championships of the Warmian-Masurian Voivodeship School Sports Association for Team Chess, where he took third place.

The school results achieved by Bartosz rank him the first in the class and give him a very high position at school.

Throughout the school year and in previous years, Bartosz did not miss lessons.

Occasional absences resulted from health problems which did not affect the school achieved results.

The student speaks without hesitation during the discussions, he is not afraid to appear in public and his presentations are refined.

During classes, e.g. during programming lessons, Bartosz is able to make conclusions effectively and contribute to the rapid analysis of algorithmic tasks. In many cases his suggestions are the perfect versions of a ready-made solutions.

After verifying his work and consulting with other teachers, it should be stated that Bartosz is gradually increasing his knowledge and competences in the field of science and foreign language skills.

Personally, I can accurately describe his possibilities in the field of computer science.

Both work in school classes, where we implement an extended program, and work in the IT club, allow to state that the student is very committed to work. Bartosz has mastered the use of a text editor, spreadsheet, presentation program and database at an advanced level,

he has fully learned the principles of creating websites in HTML5 technology, and also effectively develops his programming skills in C ++. During the IT club classes, he thoroughly explored the secrets of coding in Python and he was also successful in programming mBots, where it was necessary to demonstrate high level of creativity in team programming.

Bartosz is a very open person, he has broad interests, which translates into extensive knowledge reflected in excellent grades in many different subjects – scientific disciplines.

These include mathematics, physics and computer science, but also geography, history and the basics of entrepreneurship. He is also very physically fit, willingly participates in team competitions, where he takes on a leading role. It also shows that he has group management skills and he can cooperate in a team.

From the course of three-year observation, I can say that problematic or stressful situations have a motivating effect on Bartosz – they make him feel the need to work harder to make up for lost time or a lower level of knowledge. A huge amount of perfectly completed work in school and extracurricular activities gives grounds to state that he is a responsible person who is able to fulfil complex tasks under time pressure.

Wojciech Dobrzycki

IT teacher at Kazimierz Jagiellończyk
General Bilingual Secondary School in Elbląg