



## SCHOOL PROFILE

### NAZARBAYEV INTELLECTUAL SCHOOL OF PHYSICS AND MATHEMATICS

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### OVERVIEW

Nazarbayev Intellectual School (NIS) of Physics and Mathematics in Almaty is one of 20 schools founded under enterprise of first president of Kazakhstan Nursultan Nazarbayev. The school is opened its doors in 2014 to 746 students between grade 7-12. Currently enrolment number is 1030. There are 150 teachers, including 2 international teachers as a part of academic staff.

### OUR MISSION

Delivering world class education based on the best traditional, progressive and innovative pedagogical ideas.

## THE ACADEMIC PROGRAMME

The school follows a specialized, integrated educational programme developed in cooperation with the Cambridge International Examination Council (CIE) and the Faculty of Education at the Cambridge University (FoE). Even though the school's focus is that Physics and Mathematics, the applied sciences, social sciences and languages are equally taught in the classroom.

The school curriculum includes trilingual policy in which Kazakh, Russian and English are all instructional languages. With a 6:1 student teacher ratio, where most subjects are taught by two teachers, one local and one international, students receive individualized attention and the benefit of working with native English speaker.

## HIGHLIGHTS OF ACADEMIC PROGRAMME

- All grade levels (7-12) take in-depth courses in English, Kazakhstan History, Geography, Computer Science and Mathematics.
- Global History and Sociology are offered to grades 7-9 and 8-9 students respectfully.
- Advanced courses are available to 11<sup>th</sup> and 12<sup>th</sup> grade students in Economics, Biology, Physics, Geometry, Pre-Calculus, Algebra and Calculus.
- Grade 11 students study Global Perspectives and Project Work though project-based learning is embedded throughout the curriculum, and most courses engage students in long-term investigative projects, which often address local issues affecting the community.
- Grade 10 and 12 students sit Cambridge examinations as their final exams, with year 12 students being awarded NIS Grade 12 certificates in collaboration with the University of Cambridge Local Examinations Syndicate. These certificate and grades awarded are equivalent to the UK's NARIC (A' Level) certification.

## EXTRA-CURRICULAR ACTIVITIES

**Athletics:** volleyball, football, basketball, cross country, track and field, tennis

**Activities:** dance club, robotics, student council, school newspaper, debates, TEDxNIS, chess, Rock'n'Plane, MUN, Domyra, 3D modeling, UNESCO, art, togyzkumalak.

## OUR VISION

To raise a generation of creative and critical thinking leaders.

## ENTRANCE REQUIREMENTS

The school boasts a very selective admissions process that includes:

- a two-stage entrance test to assess applicants' aptitude in the core subjects (Mathematics, Kazakh language, Russian language and English language) and spatial thinking skills
- Evidence of successful completion of primary education
- Evidence of active involvement in extra-curricular activities
- A minimum GPA 4.0 out of 5.0

**All successful candidates receive government grants.**

## GRADING SCALE AND EQUIVALENTS

KZ GPA	US GPA	UK A' Levels
5.0	A/ A*	A*
4.0	B - C	A - B
3.0	D	C - D
2.0	E	E - U

## NAZARBAYEV INTELLECTUAL SCHOOL

CLASS OF 2021

### TEST SCORES

2020-2021 SAT

Participation: 68%

#### Average SAT Scores

Critical reading: 635

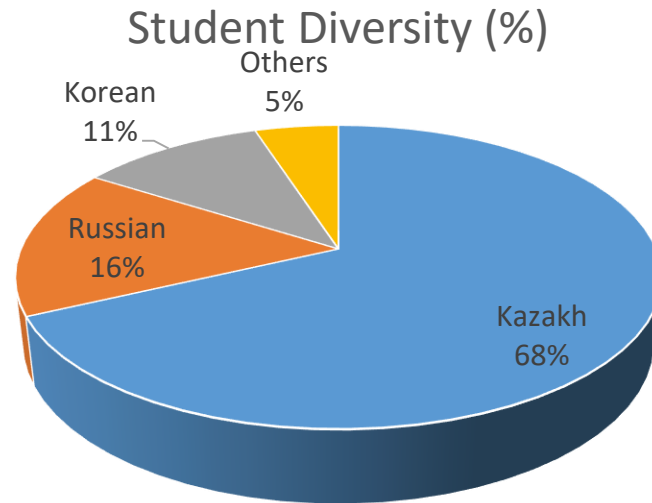
Mathematics: 750

#### Average IELTS

Overall: 7.2

## STUDENT DEMOGRAPHICS

Our student cohort is representative of the country's demography with students of varying ethnicities.



## COLLEGE AND UNIVERSITY ACCEPTANCE

In the past three years, our graduates have been accepted on full scholarships to a number of universities including: Harvard University (USA), University of Pennsylvania (USA), Cornell University (USA), New York University (USA), Rochester Institute of Technology (USA), University of Toronto (Canada), University of British Columbia (Canada), City University of Hong Kong (China), The Hong Kong Polytechnic University (China), King's College London (UK), University of Debrecen (Hungary), University of Castilla-La Mancha (Spain), Miami University (USA), University of Illinois at Urbana-Champaign (USA), Aalto University (Finland), Institut National des Sciences Appliquées de Lyon (France), Chinese University of Hong Kong (China), The Hong Kong University of Science and Technology (China), Erasmus University Rotterdam (Netherlands), New York University in Abu Dhabi (UAE), Amity University Dubai (UAE), S P Jain School of Global Management (Singapore), Ryerson University Faculty Of Communication & Design (Canada), University of Applied Sciences Würzburg-Schweinfurt (Germany), Semmelweis University (Hungary), McGill University (Canada), KAIST University (South Korea), Pusan National University (South Korea), University of California (USA), Simon Fraser University (Canada), Hult International Business School (USA), Nazarbayev University (Kazakhstan), Kazakh-British Technical University (Kazakhstan), etc.

Of the 91 graduates in the 2020 cohort, 76 (83%) were awarded full and partial scholarships.

Eighteen students were awarded the national "Altyn Belgi" certificate for maintaining a 5.0 GPA during their six year of study.