

*We are more
than just schools*



Intellectual schools serve as a platform for development, monitoring, research, analysis, piloting, integration, and implementation of cutting-edge educational programmes and technologies.



Mission

We strive to build intellectual capacity nationally and globally by combining the best of national and international experience.



Principles

- Rule of law and social responsibility
- Autonomy and self-governance
- Collegiality and distributed leadership
- Innovation and academic freedom
- Transparency
- Cooperation and interaction
- Integration of education, research and practice
- Research-based development



Our team



CENTRE FOR
EDUCATIONAL
PROGRAMMES



NIS INFORMATION
TECHNOLOGY AND
SERVICE CENTRE



CENTRE FOR
PEDAGOGICAL
MEASUREMENTS



BEYIMTECH



CENTRE OF
EXCELLENCE



ORAL

AKTOBE

ATYRAU

AKTAU

22 NIS SCHOOLS:

20 Implement
NIS-Programme

2 Implement International
Baccalaureate Programme

21 CIS accredited
schools

As of 29 December, 2024





19 492
 STUDENTS*


2 700
 TEACHERS

* kindergarten pupils included

Our students



1 874

students from rural areas, small towns, and administrative centres



6 908

students of specific categories

INCLUDING

4 156

children from large families

1 958

children from single-parent families

469

children whose parents are retired

181

children whose parents have disabilities

57

children from families qualifying for targeted social support

64

children with special needs

23

children in guardianship or custodianship



1 375

school students



147

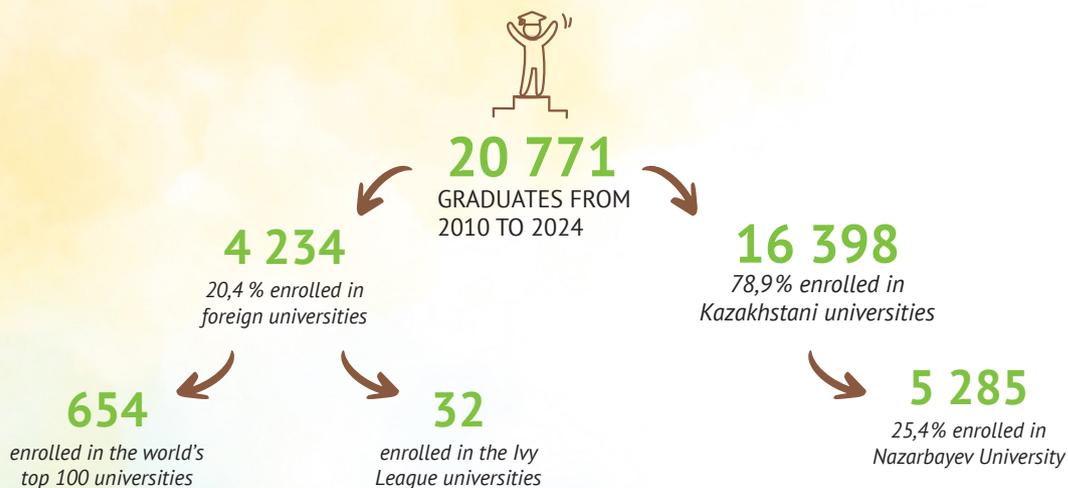
kindergarten pupils



As of 29.12.24



Our graduates



91,8%

RECEIVED STATE AND UNIVERSITY GRANTS
IN KAZAKHSTAN AND ABROAD,

more than 80% have chosen specialties within the technical, engineering,
pedagogical, medical, agricultural, and economic sectors.

As of 29.12.24

Recognition of NIS Certificate*

RECOGNITION IN KAZAKHSTAN

HIGHER EDUCATIONAL INSTITUTIONS IN KAZAKHSTAN

23 universities accept graduates of NIS schools for accelerated Bachelor's degree programmes, allowing for the transfer of credits from general education courses.

INTERNATIONAL RECOGNITION

10 EDUCATIONAL ORGANISATIONS

- ▶ UK ENIC
- ▶ UCAS
- ▶ KMK (anabin)
- ▶ uniassist
- ▶ NUFFIC
- ▶ Swiss Education Group
- ▶ CUCAS
- ▶ VTAC
- ▶ TAICEP
- ▶ CIMEA

68 WORLD'S HIGHER EDUCATIONAL INSTITUTIONS

Universities in the UK, the Netherlands, Italy, South Korea, China, Singapore, Australia, Canada, and other countries accept graduates of the Intellectual Schools into bachelor's programmes without requiring a foundation year.



* The NIS Grade 12 Certificate is an educational credential issued by NIS in partnership with Cambridge Assessment International Education, following external summative assessment of students in Grade 12.

Our teachers



2740

TOTAL NUMBER OF TEACHERS

BY THE LEVEL OF PEDAGOGICAL EXPERTISE

212 – Teacher-trainee

751 – Teacher

728 – Teacher-expert

916 – Teacher-moderator

8 – Teacher-researcher

1 – Teacher-master

ACHIEVEMENTS IN 2023

3 – winners of the national award „Teacher of Kazakhstan” (top 10)

35 – winners and prize-winners of republican professional competitions

23 – participants of the ECER international conference

63 – participants of the WAL5 international conference

BY ACADEMIC LEVEL

13 – PhD holders

15 – Candidates of Science

1503 – Master’s degree holders

57 – PhD candidates

50 – Master’s degree candidates

CERTIFIED TRAINERS

43 – holders of CELTA and DELTA certificates

136 – holders of CLIL

26 – holders of Cambridge Assessment certificates

17 – certified as IB Examiners

3 – holders of IB Leadership workshops certificates

39 – holders of CITO certificates

16 – holders of CIS certificates

17 – trainers of the UNODC Strong Families Programme

As of 29.12.24



Our partners



Curriculum and assessment of international qualifications in 160 countries worldwide



Assessment tools, monitoring studies, and psychometric analyses in 40 countries worldwide



International Baccalaureate Programme authorised in 147 countries worldwide



The Center for Talented Youth



International Accreditation in 121 countries worldwide



Innovative solutions, advanced technologies



KiVa antibullying programme implemented in 20 countries



The leading higher educational institution in Kazakhstan: 25% of graduates of NIS schools are accepted to Nazarbayev University

WALS

*Members of the WALS
Expert Council*



*National Coordinator for World Robot
Olympiad Association*



*Cooperation with UNESCO
on supportive
learning environment*



*Member of the International
Association for Educational
Assessment (IAEA)*



*Member of the Association
for Educational Assessment –
Europe (AEA-Europe)*



Centre for Educational Programmes

Mission

To enhance the quality of secondary education in Kazakhstan by continuously improving the NIS educational programme and facilitating its implementation in general educational schools nationwide.



KEY AREAS OF ACTIVITY



DEVELOPMENT

- ▶ Developing subject programmes and elective courses for both NIS and general educational schools
- ▶ Developing, piloting, and implementing educational resources such as textbooks, educational and methodological materials, and digital learning environments



RESEARCH

- ▶ Monitoring the implementation of subject programmes
- ▶ Utilising international best practices as benchmarks to enhance educational approaches in NIS schools



TRAINING AND SUPPORT

- ▶ Training teachers to implement the curriculum
- ▶ Developing teaching guidelines
- ▶ Supporting Kazakhstani teachers with methodological guidance through online platforms, conferences, workshops, and webinars

Our educational programme

NIS-PROGRAMME

- ▶ The 12-year curriculum conforming to International **A-Level**, **AS-Level** (UK), and **O-Level** (Singapore) programmes
- ▶ Recognised by Kazakhstani and international universities and educational organisations such as UK ENIC, KMK (anabin), UCAS, and NUFFIC

CURRICULUM FOR GENERAL EDUCATIONAL SCHOOLS

In collaboration with NAE*, educational standards, renewed subject programmes have been developed based on the conceptual approaches of NIS-PROGRAMME



3
STATE
EDUCATIONAL
STANDARDS



163
SUBJECT
PROGRAMMES



464
MEDIUM-TERM
PLANS

**Altynsarin National Academy of Education Republican State Enterprise with the Right of Economic Management under the Ministry of Education of the Republic of Kazakhstan*

Centre for Pedagogical Measurements



Mission

Effective assessment system to ensure high quality of educational services



KEY AREAS OF ACTIVITY



DEVELOPMENT

- ▶ Developing methodology for assessment procedures
- ▶ Creating and implementing assessment tools
- ▶ Developing instructional and methodological materials



STATISTICS AND RESEARCH

- ▶ Maintaining educational statistics
- ▶ Analysing and evaluating the effectiveness of assessment procedures and studies
- ▶ Monitoring educational achievements



ASSESSMENT

- ▶ Organising and implementing assessment procedures
- ▶ Incorporating information technology for assessment procedures

Our assessment system

COMPETITIVE SELECTION

- ▶ Accredited by the Research Centre for Examination and Certification (**RCEC**), the **Netherlands**

CRITERIA-BASED ASSESSMENT

- ▶ Recognised by the international educational organisation **HundrED, Finland**
- ▶ Adapted and implemented in state schools in Kazakhstan in 2016

MONITORING OF LEARNING ACHIEVEMENTS

- ▶ Compliance with **CEFR** standards for language subjects
- ▶ Utilising adaptive testing methods in mathematics

EXTERNAL SUMMATIVE ASSESSMENT

- ▶ Aligned with international standards: **IGCSE, AS-level, A-level** (Cambridge), and **IB**.

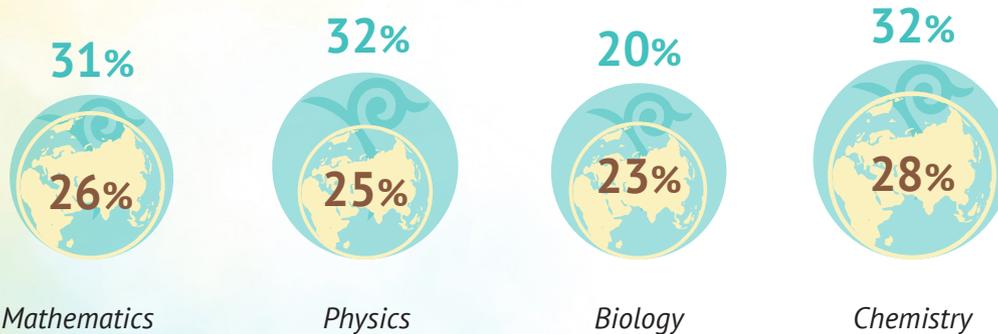
MORE
THAN

40 000

ASSESSMENT TOOLS HAVE
BEEN DEVELOPED FOR GENERAL
EDUCATIONAL SCHOOLS

Assessment results

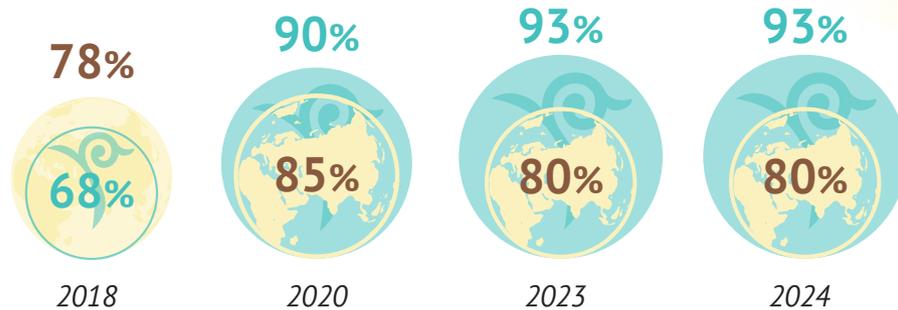
The share of students achieving A+ and A grades in NIS compared to global A-level examinations in 2024
(with approximately 500 000 graduates from over 130 countries)



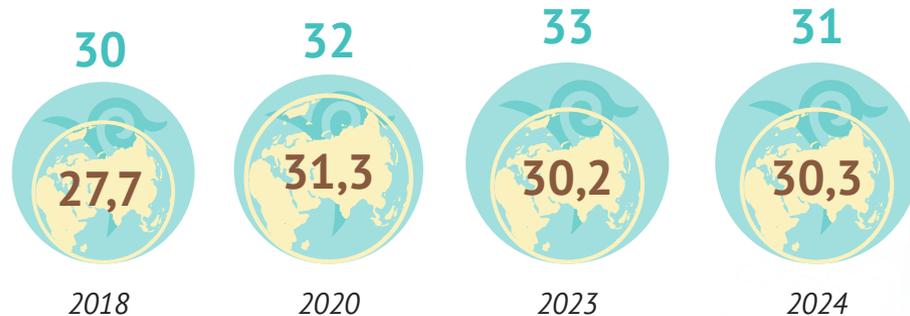
Assessment results

External Final Examination in the International Baccalaureate Programme from 2017 to 2024

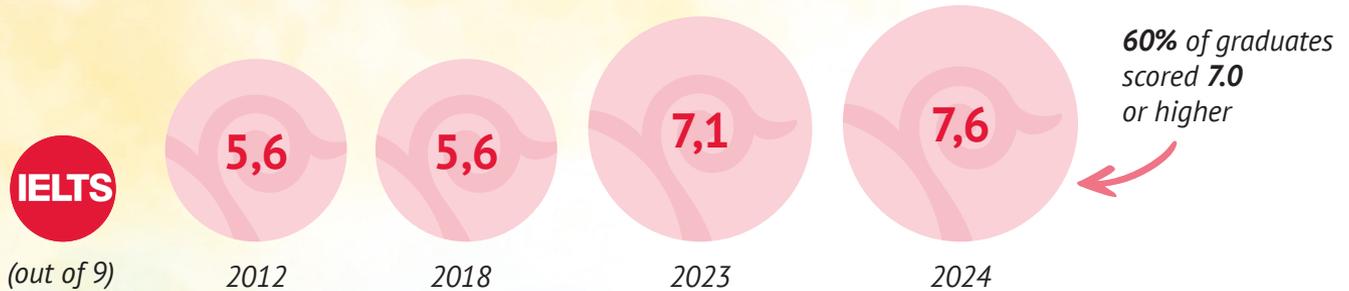
Percentage of students who received the IB Diploma



Average IB Diploma score



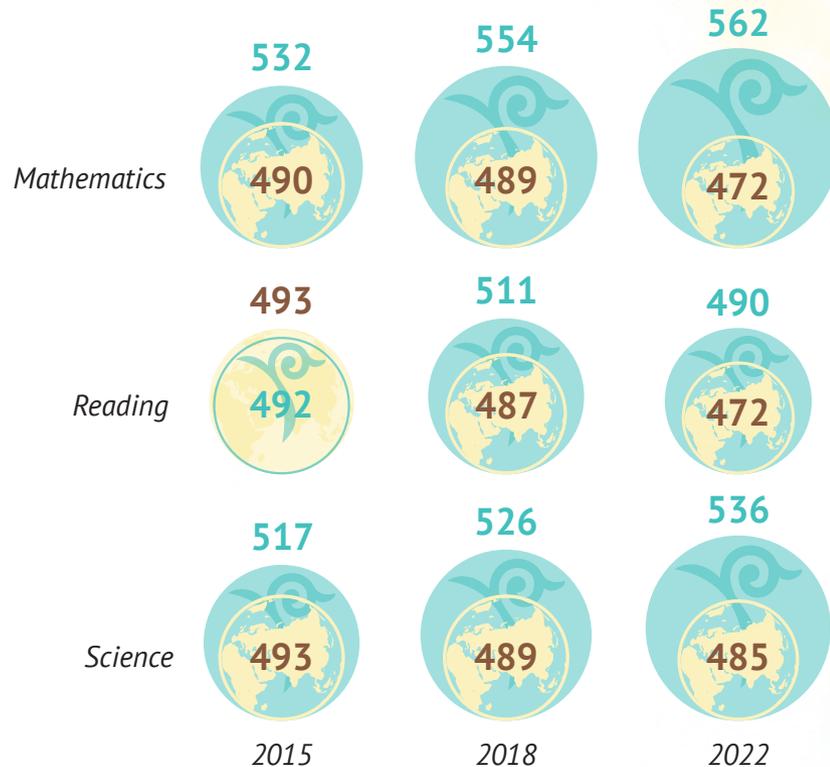
International examination results



PISA results



NIS students consistently performed above the OECD average in PISA assessments across all three domains from 2015 to 2022 (conducted once every three years).



Accreditation agency

Goal

Confirmation of compliance of educational services with established standards and provision of feedback for quality improvement.



Benefits of Accreditation

- ✓ Improvement of the quality of educational services
- ✓ Adoption of new technologies and teaching techniques
- ✓ Boosting the school's competitiveness



Recognition

- ✓ Listed in the Register of accreditation bodies of the Republic of Kazakhstan
- ✓ The first accreditation agency in Kazakhstan, specializing in school accreditation
- ✓ Memorandum of cooperation on the development of national accreditation standards with the Council of International Schools (CIS)



ACCREDITATION PROCESS

Preparation stage

Submission of an accreditation application.



Preliminary assessment stage

Expert visit, training, focus group sessions, and informing about the decision.



Self-assessment stage

Implementation of the self-assessment process and uploading to the portal.



Accreditation stage

Accreditation experts' visit.

Centre of Excellence

Mission

To leverage the best national and international experience, as well as the organization's human and methodological resources, for the continuous professional development of educators to enhance the education system of the Republic of Kazakhstan.



KEY AREAS



DEVELOPMENT

- ▶ Developing professional development course programmes for educators at all levels of education.



RESEARCH

- ▶ Monitoring the implementation of professional development course programmes.
- ▶ Undertaking research projects in the field of teacher professional development



TRAINING AND SUPPORT

- ▶ Training trainers to implement professional development programmes
- ▶ Training Kazakhstani teachers
- ▶ Offering post-course methodological support

International teacher training projects



370

teachers from schools and colleges in Ashgabat and the provinces of Turkmenistan received training within the framework of the EU project „Support of Education in Turkmenistan” in 2020



900

teachers from general educational schools in the Khanty-Mansi Autonomous Okrug – Yugra, Russia – received training in 2020



70

teachers of network schools in Kyrgyzstan received training in 2022-2024



30

teachers from general educational schools in Azerbaijan received training in 2023



36

College of Education (Malawi, South Africa) teachers received training in 2024



1256

1256 School teachers and employees of institutes for advanced training were taught within the EU Project “Support of Education and Labor market in Tajikistan”



Teacher professional development



WE DEVELOPED

a new professional standard for educators, offering an opportunity for continuous professional development from initial training to attaining pedagogical expertise



ACQUIN (Germany) International Certification of **11 Professional Development Programmes**



Member of the WALS Expert Council



Top 10 global best practices in professional development of teachers among **190 organisations** worldwide



Gold medals for researching professional needs of teachers at international exhibitions in **Germany, Russia, and the USA**



Ranked in the **top 10** of the international competition **Gess Education Awards-Dubai in the category Community Award for Citizenship (2023)**

International Conference on Lesson Study Research (WALS)

September 23 to 27, 2024, Astana hosted a major milestone for the education communities of Kazakhstan and the CIS countries – the first-ever WALS (World Association of Lesson Study) conference in the region. The event provided new opportunities for collaboration, knowledge-sharing, and the introduction of innovative educational practices.

The WALS Expert Council, made up of representatives from over 25 countries, praised Kazakhstan's contribution, especially the Nazarbayev Intellectual Schools (NIS), in advancing the Lesson Study model. This recognition not only highlighted Kazakhstan's leadership in educational innovation but also cemented its position as a key player in educational development across Central Asia. As a result, Kazakhstan was chosen to host the 2024 WALS Conference, a testament to its growing influence in shaping global educational standards.



The conference received a record number of abstracts – **859**.

508 abstracts (**59.1%**) passed the selection process and were recommended for presentation at the conference.

THE TOP 3 countries that submitted the most abstracts:



Kazakhstan – 263
(51,7 %)



Japan – 43



Malaysia – 17

Teacher professional development



439

PROFESSIONAL DEVELOPMENT PROGRAMMES



85 071

SEMINARS, WEBINARS AND MASTER CLASSES FOR TEACHERS



345 650

TEACHERS TRAINED



157

RESEARCH STUDIES INVOLVING 659 058 RESPONDENTS



8 057

TRAINERS TRAINED

1000 Leaders of Change in Education

Launched in 2023, the program began developing a talent pool of future education leaders, expanding in 2024 to include preschool, technical, and vocational education leadership training. Of the **21 864** applicants, **593** successfully completed the courses, and **583** were admitted to the national talent pool.

III Republican Forum of Young Teachers of Rural Schools «Zhas Ustaz: The Path to Success»

Since 2022, the Centre has continued to provide methodological support to young teachers across the country, within the framework of which regional clubs of young teachers have been established, and training events are held in both offline and online formats.

In 2024, the forum in Astana brought together more than **300** young teachers from across the country, including **150** educators from the Tselinograd district of Akmola region. The event was organized by the Center of Excellence of NIS with the support of the Ministry of Education of the Republic of Kazakhstan, ESEN Foundation, and ANSA.

NIS Information Technology and Service Centre

Mission

Development, adaptation, implementation, provision, and advancement of IT systems, technology, and services to support the educational processes of NIS, its branches, and subsidiary organizations, as well as management and coordination of efforts to ensure the continuous and efficient operation of IT infrastructure, including comprehensive service solutions for maintenance, technical support, facility management, warranty services, and construction within the organization.



KEY AREAS OF ACTIVITY



DEVELOPMENT

- ▶ Developing information and educational systems
- ▶ Developing and maintaining learning management systems
- ▶ Developing and maintaining information systems to manage administrative processes



SUPPORT

- ▶ Automating business processes
- ▶ Overseeing construction and operation of facilities
- ▶ In-service operation and maintenance of facilities and central office
- ▶ Providing IT support and maintaining the NIS schools



Formation of an advanced digital educational space in Kazakhstan and beyond by creating an integrated educational ecosystem that improves the quality of students' education and contributes to their comprehensive development



ECOSYSTEM PRODUCTS

Beyim Synaq

A mobile application enabling students to independently take the NIS official trial admission test online and assess their knowledge and skills

Target audience:
Grades 5-6 students

Beyim.ai

An AI-based microlearning social network built on a unique methodology developed in collaboration with Arizona State University

Target audience:
Grades 5-12 students

Beyim Canvas

A learning management system utilised to implement active adaptive learning prototypes in NIS schools

Target audience:
Grade 11 students

Holistic development

CREATIVE ENVIRONMENT

- NIS-Engineering
- Future Innovators
- Shadow theatre
- Clubs
- TV studios
- Art fest
- NIS Radio
- Debate MUN
- Q-movie

VALUES AND TRADITIONS

- Bow to the Motherland
- History of 100 kuis
- Aqyns of the Great Steppe
- Domyra
- Pottery
- National dance
- Kazakh songs
- Felting

SPORT

- Kazakh wrestling
- Network sports contests
- Football
- Basketball
- Volleyball
- Fitness
- Street Workout
- Tennis
- Ski

*Holistic development is all-round development
of a child: body, mind and spirit.*



SERVICE TO SOCIETY

- Charity events
- Environmental campaigns
- Volunteering
- Equal to equal
- Caring heart

CAREER GUIDANCE

- Smart Thursday
- A day in the parent's workplace
- A week in the village
- Summer internship

INTELLECTUAL ENVIRONMENT

- TEDxNIS club
- 100 books
- Libraries
- Wikipedia
- Olympiads
- Scientific competitions
- Chess
- Togyzqumalaq
- Nauryz meetings
- Hackathon
- Robomission
- VEX
- First Championship
- External elective courses
- Partner schools
- Foreign languages
- Summer schools



History of 100 Kuis

DOMBYRA LESSON IS COMPULSORY IN NIS SCHOOLS

To cultivate the musical culture and enhance the spiritual and moral qualities of students through national music, preserve and reinforce cultural heritage, and foster a sense of unity and friendship, all NIS schools end the academic year with the Dombra Lesson.

In 2024, 2001 students participated in it.

A total of 176 events, attended by 14 303 students and 1361 parents, were held within the project „History of 100 Kuis”.



The dombra lesson attended by 1000 NIS students has entered the **Guinness Book of Records**.





0021

0020

001

0018

0017

0063

0062

0061

0060

0059

0058

0105

0104

0103

0102

0101

0100

014

0146

0145

0144

0143

0142

018

0188

0187

0186

0185

0183

0231

0230

0229

0228

0227

0226

031

0314

0313

0312

0311

0310

044

0440

0439

0438

0437

0435

052

0524

0523

0522

0520

081

0818

0817

0816

0814

100

1008

1007

1006

1004

Achievements in robotics

NIS serves as the national coordinator of the Robotics Olympiads in Kazakhstan, adhering to the rules of the World Robot Olympiad

FIRST GLOBAL CHALLENGE

(World Robotics Competition)

2022: Geneva - 1st place

2023: Singapore - 1st place

2024: Athens - 1st place

WORLD ROBOT OLYMPIAD

(International Robotics Competition for schoolchildren aged 8 to 19)

2014: 3rd place in creative category, Sochi

2016: „Creativity Award” nomination, New Delhi

2019: 3rd place in creative category, Győr

2021: 3rd place in creative category, Dortmund

2022: 2nd place in RoboMission Senior

2023: 3rd place in RoboMission Senior, Panama

2024: 2nd place in Future Engineers (out of 50)

3rd place in Future Innovators Senior (out of 46)

5th place out of 59 teams in Robosports

7th place out of 99 teams in Robomission Senior

«Technical Solution Award» nomination

in Future Innovators Junior

VARIOUS INTERNATIONAL COMPETITIONS

2017:

- 1st place, space research competitions „Discovering the World of Science”
- 1st and 2nd places, „RoboFest” All-Russian robotics festival, Moscow

2018:

- 1st place at the VEX EDR international championship „Battle in Bangkok 2018”, Bangkok
- 2nd place at „VEX Turkey VRC Istanbul Turkey Championship (High School)”
- Grand Prix at the International intellectual games
- 1st place, The 33 China adolescents science & technology innovation contest



Bow to the Motherland

The local history research expedition „Bow to the Motherland” stands as a prime example of fostering love for students’ homeland through the study and research of its history, geography, economics, and culture.



5 405

EXPEDITION PARTICIPANTS



22

ROUTES ACROSS ALL REGIONS
OF THE COUNTRY

EXPEDITION SITES

- Botanical gardens and zoological parks
- Educational centres
- Museums
- Historical sites
- Historical and cultural centres
- Higher educational institutions
- Libraries
- Laboratories
- Industrial sites
- State archives



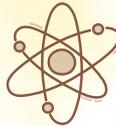


Copyrights and patents of students



439

*students holding copyrights
in Mathematics, Computer Science
and Programming*



66

*students holding patents and
utility models in Chemistry,
Nanotechnology, and Biology*



331

*students have won cash grants
for start-ups*

EXAMPLES:

- GloveSpeaker – a glove for deaf and mute
- FIRE FINDER
- Air pollution control device
- Method for controlling biological water pollution
- Mobile application Able To Live

Olympiads and scientific competitions

Level	Olympiads	Project competitions
	Number of prizewinners	Number of prizewinners
National	1603	995
International	1219	901

NATIONAL TEAM OF NIS:

- Best Olympic Team according to the results of the Republican Olympiad from 2017 to 2024
- Ranked 1st for the largest number of gold medals at the Republican competition of scientific projects for the past five years (2019-2024)



In 2021, NIS students were awarded gold and silver medals at the prestigious International Geography Olympiad (iGeo) for the first time in the history of independent Kazakhstan



As of 29.12.24

School well-being



Monitoring and preventing unintentional injuries (Grades 7-12)

Team: healthcare workers, teachers

Comprehensive Program „Student support system” (Grades 7-12)

Team: deputy directors for educational work, psychologists, advisory teachers, medical staff, teachers

Student Well-being Index in Intellectual schools (Grades 7-12)

Survey among students and parents



Career guidance programmes (Grades 10-12)

*Psychotechnology of Success:
My Plans For 5 Years
Managing the Future: How to Easily
and Quickly Adapt to Changes*



Programme for fostering parent-child relationships „Strong Family” (Grade 7)

Team: psychologists, classroom teachers, dormitory staff



KiVa antibullying programme (Grades 7-12)

*Team: deputy directors,
classroom teachers, psychologists,
teachers*

Student

👍 🗨️ ❤️ REPLY

„Thanks to this project, I learnt more about my grandparents, and came to appreciate family values.“

Parent

👍 🗨️ ❤️ REPLY

„I learnt a lot of things - how to show love to my child, how to talk to my child, how to be supportive.“



Parent

👍 🗨️ ❤️ REPLY

„Not only have we recognised the mistakes we make in raising our children, but we have also learned to correct them.“

Student

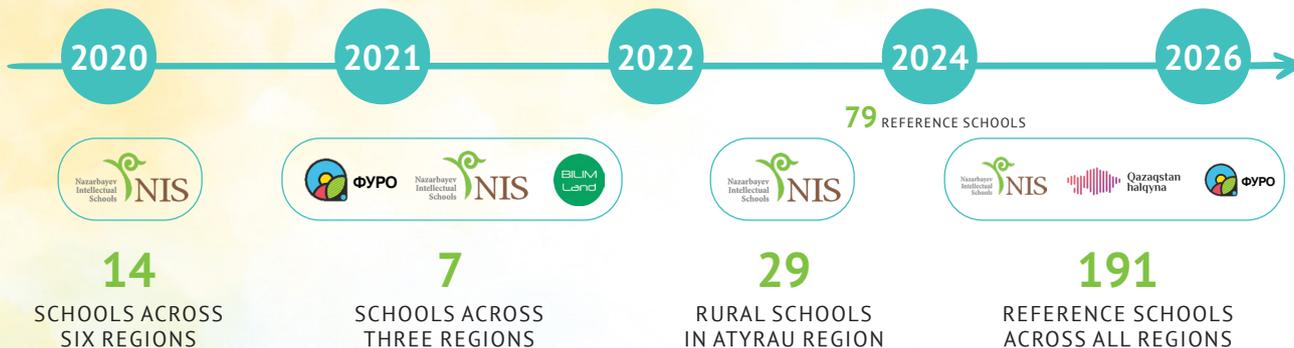
👍 🗨️ ❤️ REPLY

„I especially appreciated the fact that we focused extensively on the issues that children of our age may encounter.“

Projects supporting rural schools

RURAL SCHOOL
„POWERED BY NIS”
IMPLEMENTED SINCE 2020

„DEVELOPING THE CAPACITY OF
REFERENCE SCHOOLS IN RURAL
AREAS” 2022-2026



AT VARIOUS STAGES, PROJECTS INCLUDED:



RESEARCH
AND DIAGNOSTICS



MONITORING LEARNING
ACHIEVEMENTS



METHODOLOGICAL
SUPPORT



PROVISION
OF EQUIPMENT



TRANSFORMATION OF
EDUCATIONAL ENVIRONMENT

As of 29.12.24

Methodological support



EVENTS

100

teachers participated online and 3500 teachers participated offline in NIS 2024 International Conference in NIS

300

young teachers participated in the forum "Young teacher: the path to success" in 2024

1819

Grade 6 students completed learning in NIS Virtual School



TEACHER TRAINING

2036

seminars, webinars, workshops, online consultations, master classes

1126

teachers completed seminars on functional literacy

3818

teachers completed professional development courses



INTERNSHIP AT NIS

2869

participants

1681

methodological activities held in 21 NIS schools

834

lessons observed by NIS specialists

Resource and methodological support for general educational schools



Educational Resource Portal, an online platform (since 2016)

*materials developed for every lesson in
all subjects for Grades
1-11 in three languages*



116 185 435 materials
published

452 269 teachers using
the platform

105 227 782 materials
downloaded

Online Mektep a distance learning platform (since 2016)

*digital educational content for each
lesson in all subjects for Grades
1-11 in Kazakh and Russian*



26 357 online
lessons developed

5 105 school-users

During the pandemic:
350 million online lessons were held
2.5 billion were completed

Shamshyraq, an online platform (since 2021)

*lessons and master classes, success
stories of teachers awarded with
the Altynsarin award pin, podcasts,
films on teaching methods and
techniques, virtual tours*



46 221 subscribers

1 314 253 views from January
2021 till December
2024

35 639 likes from January 2021
till December 2024

Building research capacity



NIS RESOURCES (schools and centres)

73 – PhD and Candidates of Science

1708 – Master's degree holders

71 – in process of achieving PhD

Certified specialists:

136 – CLIL

39 – CELTA

4 – DELTA

3 – IB Workshop leader

39 – CITO

16 – CIS

17 – „Strong family” trainers

3 – KiVa® trainers



NIS INTELLECTUAL ACHIEVEMENTS

439 copyrights by NIS students

66 patents by NIS students

271 copyrights/patents by NIS employees

605 scientific publications by NIS employees (including international peer-reviewed journals)



**IN 2023, NIS RECEIVED
THE STATUS OF A RESEARCH
ENTITY**



NIS

ДОБРО ПОЖАЛОВА

Contact us



-  www.nis.edu.kz
-  [@nis_qazaqstan](https://www.instagram.com/nis_qazaqstan)
-  [@alumni.nis](https://www.instagram.com/alumni.nis)
-  +7 (7172) 23-57-01
-  info@nis.edu.kz

-  www.beyim.ai
-  [@beyimtech](https://www.instagram.com/beyimtech)
-  sales@beyim.ai

 8 800 080 00 95
Helpline



