

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



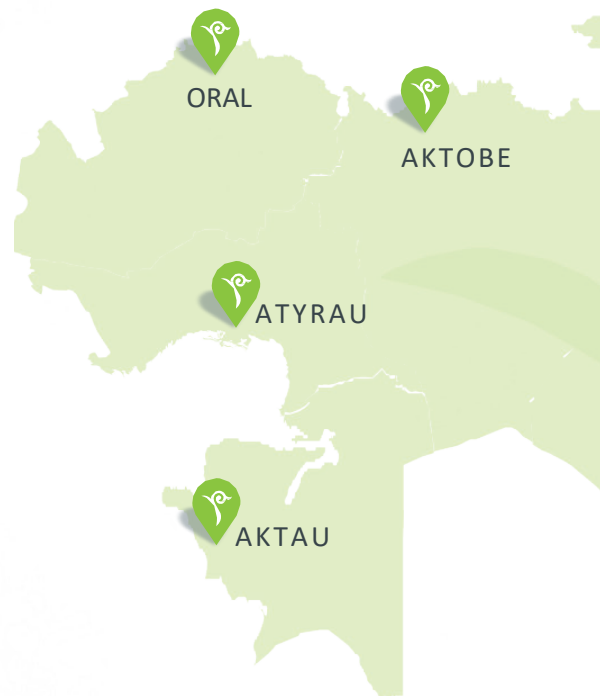
CENTRE OF  
EXCELLENCE

## 22 NIS SCHOOLS:

**20** Implement  
NIS-Programme

**2** Implement International  
Baccalaureate Programme

**21** CIS accredited  
schools



*As of 29 December, 2024*





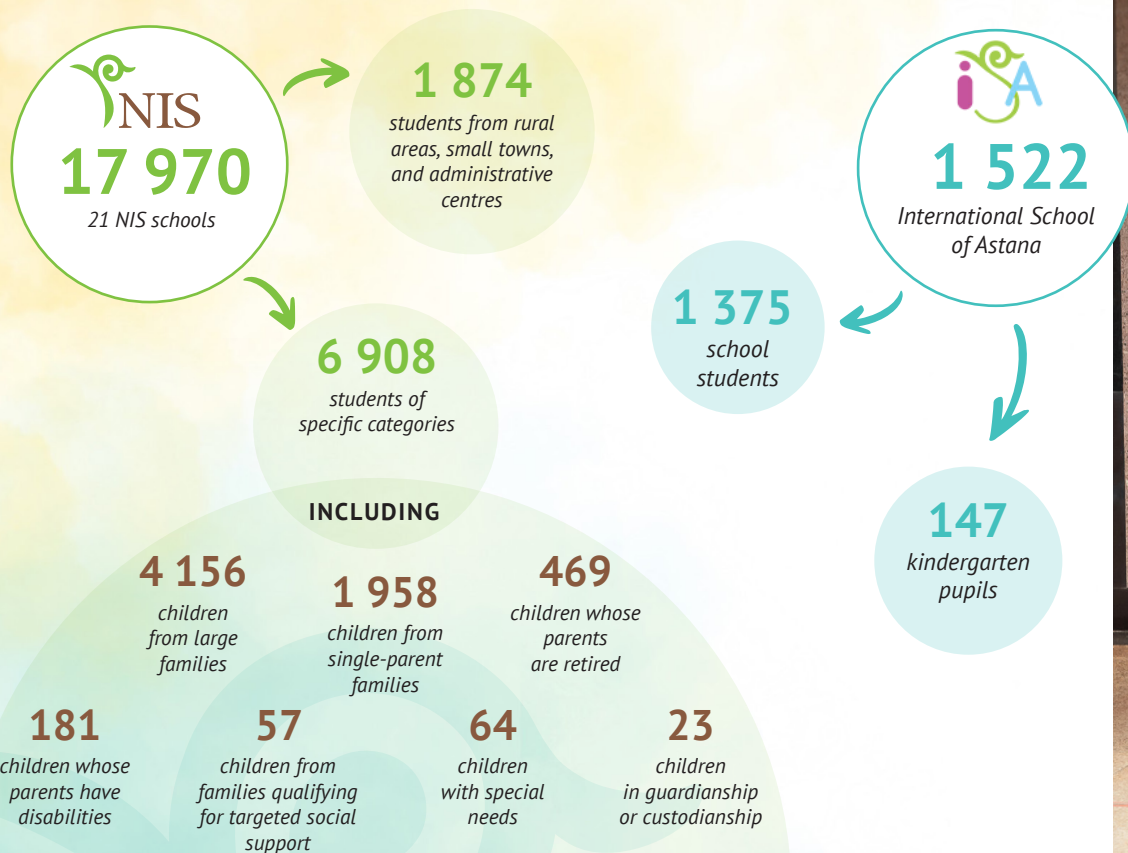
**19 492**  
STUDENTS\*



**2 700**  
TEACHERS

*\* kindergarten pupils included*

# Our students



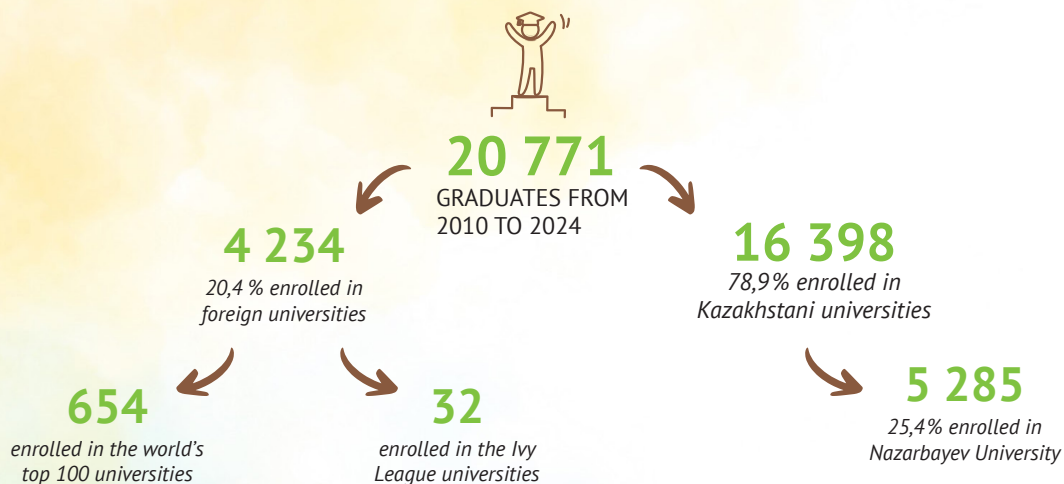
As of 29.12.24







# 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 WALs 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**  
IB World School

*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*





*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



*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**.

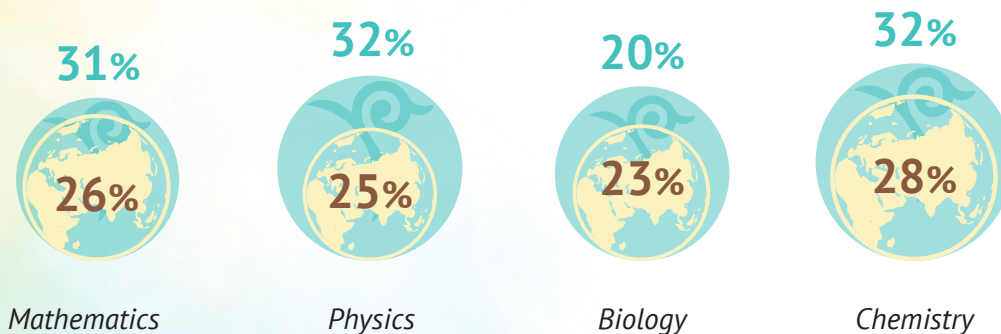
MORE  
THAN

**40 000**

ASSESSMENT TOOLS HAVE  
BEEN DEVELOPED FOR GENERAL  
EDUCATIONAL SCHOOLS

# Assessment results

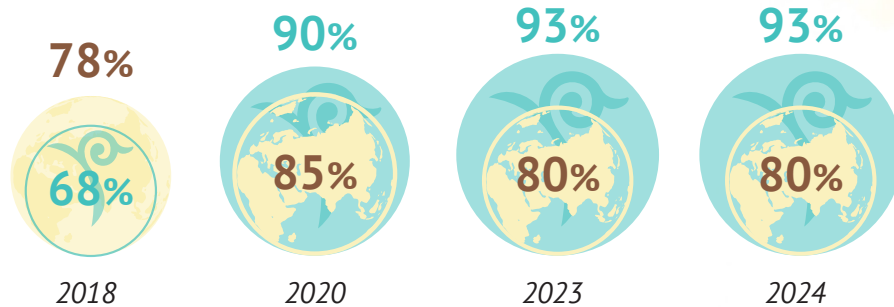
**The share of students achieving A+ and A grades in NIS  
compared to global A-level examinations in 2024**  
*(with approximately 500 000 graduates from over 130 countries)*



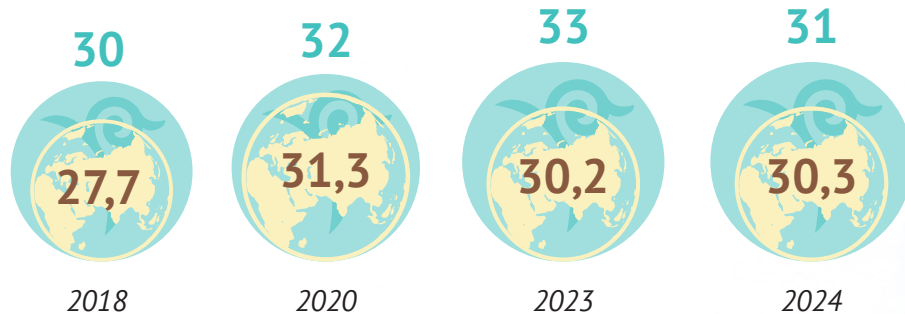
# Assessment results

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

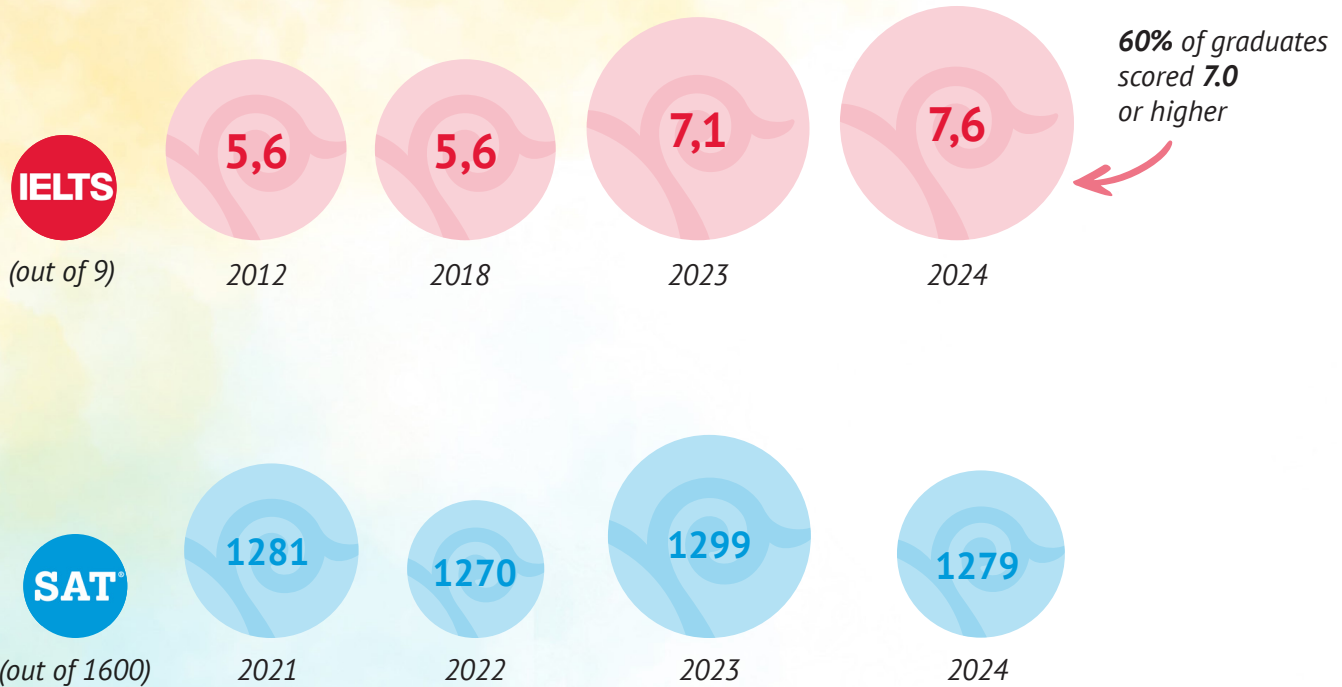
Percentage of  
students who  
received the IB  
Diploma



Average IB  
Diploma score



# International examination results

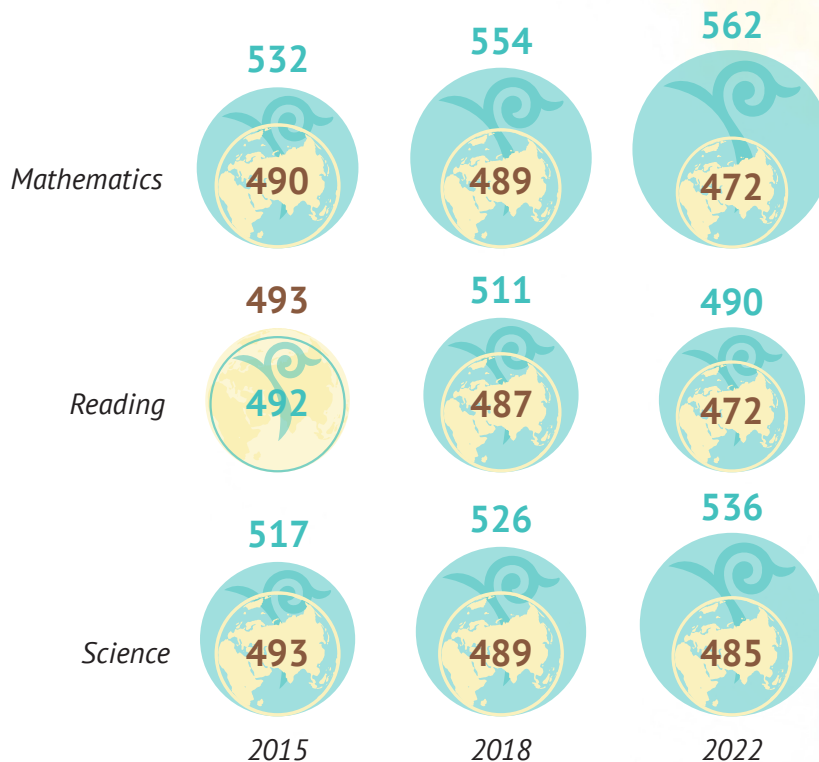




# PISA results



*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



1 256

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







# 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**

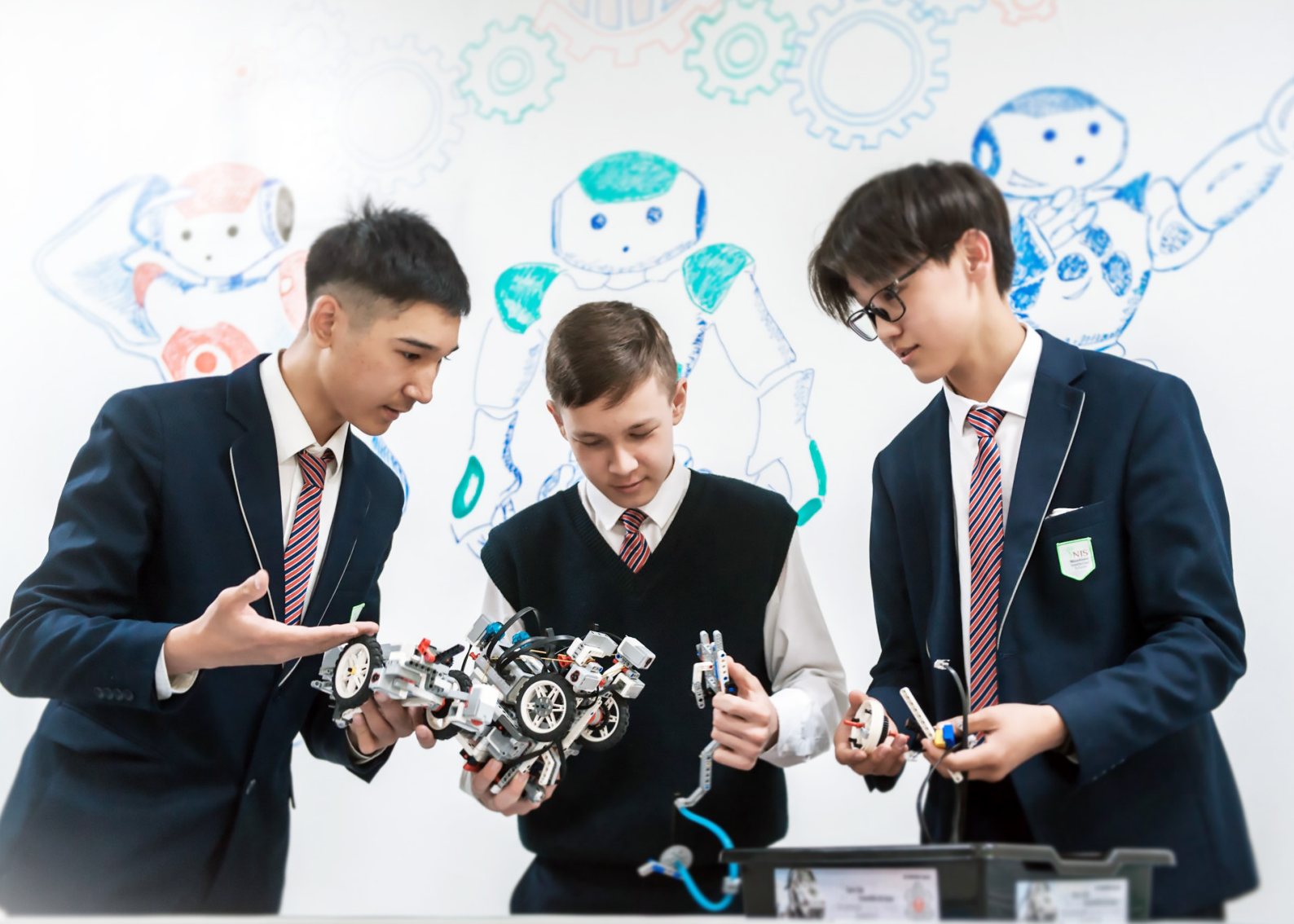
### **2017:**

- 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



1317



1586



1818

Over 16 years

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

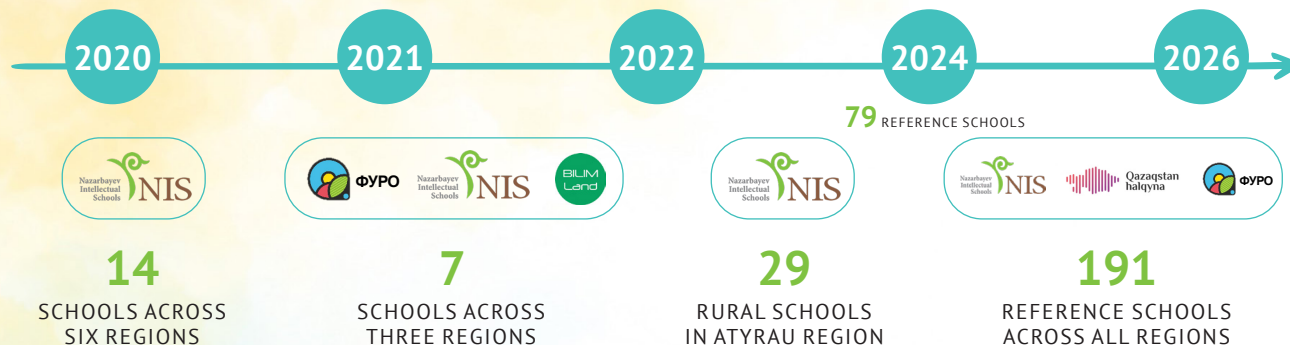
*„I especially appreciated the fact that we focused extensively on the issues that children of our age may encounter.”*



# 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**









# Contact us



-  [www.nis.edu.kz](http://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](mailto:info@nis.edu.kz)

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

 8 800 080 00 95  
Helpline



