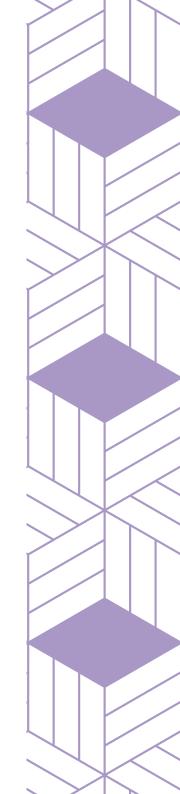


**Creating a Future** 

AYB IS 15

Our Community Is Our Strength





### Our Philosophy

To transform human life and the future of our country through education.

### Our Goal

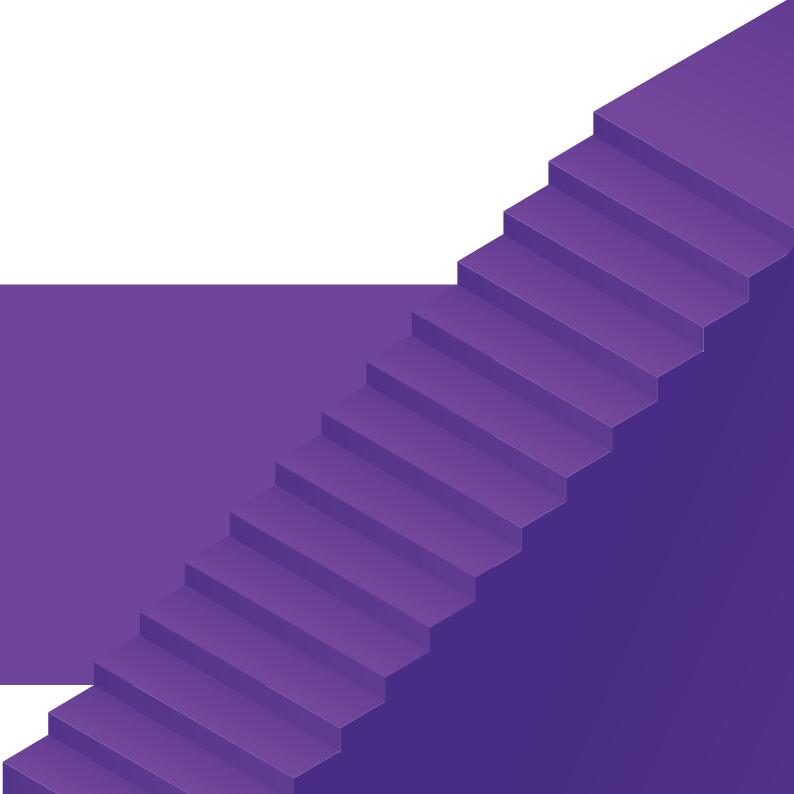
To shape a culture of excellence in learning and support the development of Armenian education through systematic investments

### **Our Mission**

To create and multiply exemplary educational environments; to make the best model of Armenian education competitive and recognizable all over the world

### <u>Ou</u>r Vision

- To set a new benchmark for quality education
- To develop and export an innovative educational model on a national basis
- To achieve systemic and qualitative changes in the field of education
- To educate a competitive and creative generation of the 21st century



During 15 years, Ayb has launched many innovative educational programs, the impact of which is not measurable only by numbers: It has become widely spread and currently bears fruit to all of us.





The three organizations of the Ayb system have directed about 35 million dollars to the implementation of educational programs



The average number of schools annually involved in our programs is

### 850 schools

about 60% of schools

### 125 000 children

about 30% of students

The number of participants of our school competitions

729 000

over 15 years

Teacher community shaped around our programs

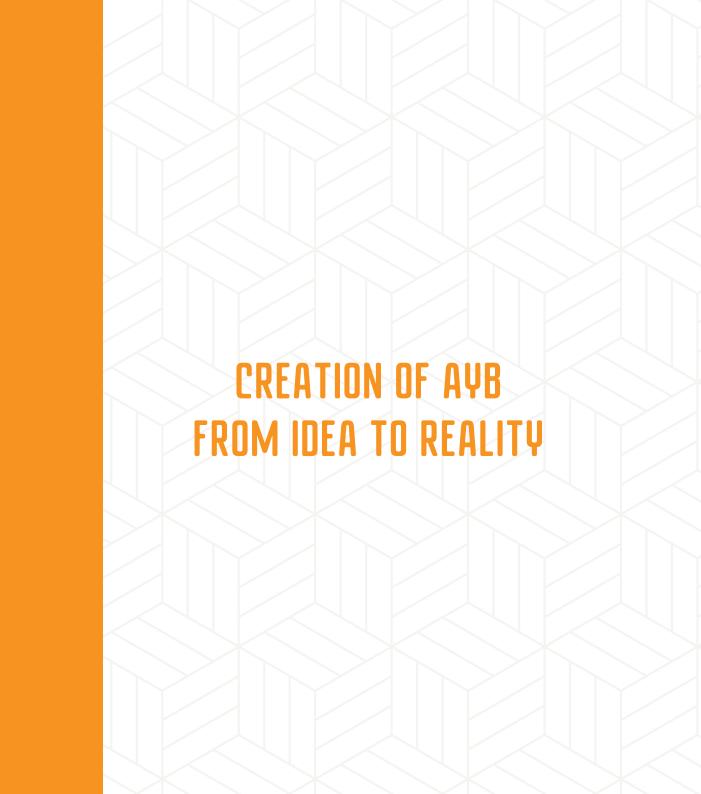
9000 people

A community of benefactors united around us

600+ people

### Currently, 11% of the financial resources are directed to administrative work.

For foundations, this indicator is 15-40% worldwide, and up to 20% is considered to be the best.



In 2006, eight young people who succeeded thanks to education decided to establish the Ayb Educational Foundation for the realization of their dream and idea of transforming the country through education.

Today, the work started by several like-minded persons has turned into a powerful educational movement in Armenia and abroad. The name Ayb, which has become a visiting card of quality education, has united many devoted people and partners around it.

For 15 years we have been creating real educational opportunities and spreading approaches and values that are surely important prerequisites for the development of our country.



### Our community is our strength.

This is our formula for success.

Ayb is about dedicated people who have taken the responsibility for the implementation of systemic changes in the field of education to contribute to the strengthening of our state.

The Ayb Club was founded in 2007 as an informal non-governmental organization, bringing together more than 40 members from around the world, and giving start to the formation of our today's large community.

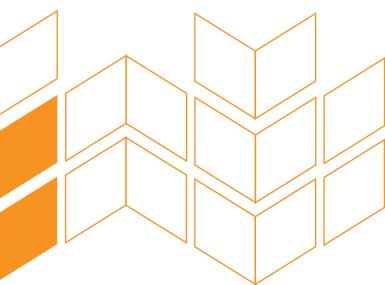
The number of our benefactors already exceeds 600. Our large community has made a great professional, financial and time investment in the development of education for 15 years, becoming a pillar and supporter of the state.

### **Governance and Structure**

The Foundation's function of implementing the ideas and increasing their impact is performed by the Foundation's team. The highest governing body is the Board of Trustees. It is formed through internal community election based on participatory model, and operates for two years.







# AVB'S THREE ORGANIZATIONS



Community school with a large social component



Marz school, established in cooperation with the Central Bank



Foundation that makes national culture accessible to everyone



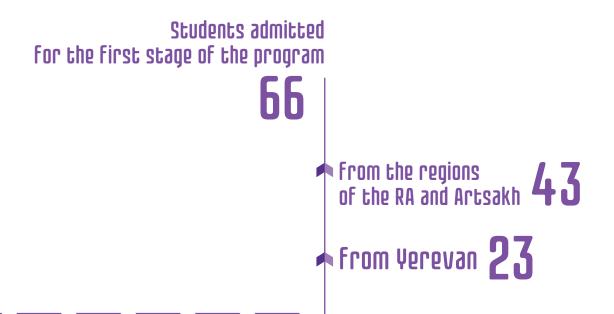




This is our 15th-anniversary gift to the public and a unique opportunity for free education combining two important components of Ayb: education and values.

This internationally competitive and comprehensive program launched in 2021 is one of our strategic and perspective programs. It aims to make the Araratian Baccalaureate accessible to all students in the Republic of Armenia and in Artsakh. For the summer of 2022, the program is intended to be launched in the Diaspora as well.

At this stage, the tenth graders of RA and Artsakh's public schools participate in the program. Within a year and a half, they will implement practical or research projects in any natural science under the guidance of leading organizations and individuals of the corresponding field.



### Ayb Hybrid Education

## is a model of project-based and value-based education which provides:





### Araratian Baccalaureate

Our Visiting Card in the World's Best Universities

The Araratian Baccalaureate is an internationally competitive Armenian-language educational program created in cooperation with the University of Cambridge and UCL Institute of Education in 2014 and having international recognition.

The number of prestigious universities recognizing the AB certificate

125

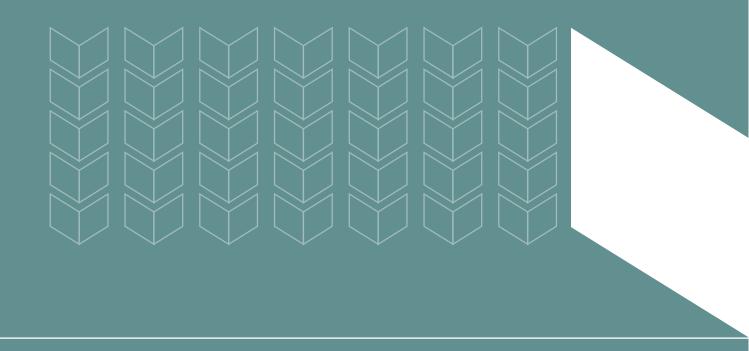
In 2014, the ten-year National Program for Educational Excellence (NPEE) was launched. The main tool for its implementation was the Araratian Baccalaureate (AB), which aimed to introduce the AB stage by stage in all high schools of the RA and Artsakh, providing a new quality to education. The NPEE, if realized, would include 20 000 teachers—more than half of the teacher community in Armenia.



The first program of teacher training and certification was successfully implemented. In the first stage of the NPEE, marz schools were already ready to implement the program, but in 2018, the Ministry of Education and Science terminated the NPEE without any substantiation. Despite the termination of implementation of the program in public schools, one of the priorities of the Ayb Educational Foundation remains the continuous development of the trained teachers' capacities.

The Foundation, through the efforts of its benefactors, also provides for the activity of the AB Examination Center, giving Armenian children the opportunity to receive an internationally recognized diploma in Armenia and in the Armenian language.

Today, the AB program is taught only at Ayb High School but has found a new continuation with the Foundation's new Ayb Hybrid Education program.



In September 2016, the AB was benchmarked by UK NARIC and found to be comparable to leading international educational programs such as the UK GCE A Level and US Advanced Placement (AP).



### Training Sessions in Tavush Marz

As a leading organization with extensive experience of working with teachers, Ayb—as part of the program on experimental introduction of the state standard of education in educational institutions of Tavush—has undertaken to train 160 principals, vice-principals, and 600 teachers of natural sciences and mathematics in all 82 schools of Tavush marz, from August 2021 to May 2022.

This extensive capacity development program is carried out through intensive work with several components: pedagogical training, subject and practical training as well as mentoring, providing teachers with the latest teaching approaches and models.



The project is implemented in cooperation with the RA Ministry of Education, Science, Culture, and Sports, and the World Bank's partnership program, the EU for Innovation.

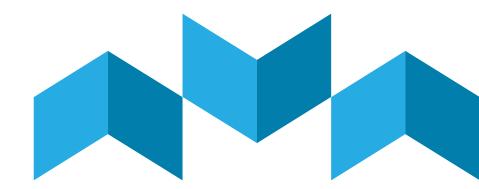
The program aims to spread the successful experience of Tavush in all other marzes and in the capital, creating a teaching community with a new way of thinking and preparation.





Many adolescents from Armenia have got acquainted with the basic life-saving skills thanks to the joint program implemented by the Ayb Foundation and UNICEF Armenia. These skills are the precondition for having a more stress-resistant, strong, purposeful generation and are relevant in the conditions of the pandemic and post-war reality.

Launched in early 2021, this powerful program, designed for children under the age of 17, aims to help them develop their skills and provides the basic learning tools needed for a good future and quality life.



The program was implemented in Tavush, Gegharkunik, Armavir, Ararat, Kotayk, Vayots Dzor, Syunik marzes as well as in Yerevan and Ashtarak cities.

The program involved

adolescents 850

marz specialists 135





With this program, the Ayb Foundation visited almost all high schools and non-governmental educational organizations in Armenia's 22 communities of 9 marzes. The program was conducted in two phases. The last phase was sponsored by the Embassy of Japan.



Thanks to Ayb's competitions, our schoolchildren develop their subject skills and knowledge and strive for new achievements.

Sometimes competition itself contributes to the growth of children's interest in knowledge and education.



### ԿԵՆԳՈՒՐՈՒ / Kangaroo

In 2008, Armenia held the first Kangaroo competition, giving a start to a great mathematical movement and ensuring unprecedented participation in the competition. This is the most popular mass competition held in the field of Armenia's public education. Kangaroo launched the process of introduction of internationally recognized school competitions, and then the creation and publicizing of similar local mass competitions in the Republic of Armenia and in Artsakh.



#### **Russian Bear Cub**



In 2010, for the first time, the Russian Bear Cub contest was officially held in Armenia. This was the second international school competition after Kangaroo that Ayb brought to the RA and Artsakh, making Armenian children part of a larger community while developing the concept of language proficiency.



### Utin / Meghu

In 2014, for the first time, the Meghu Armenian language contest with a record number of participants—almost 45,000—was held in the RA and Artsakh. With the Meghu contest, Ayb was the first to create a quality and successful content for an Armenian mass contest. It has been held in the Diaspora since 2019, adding to our efforts to spread literate Armenian with the importance of preservation of Armenian identity. Today this contest unites Armenian children from different corners of the world.

# Educational Movement in Numbers

Number of competitions' participants since 2008



729 000+
Participants of all our school competitions



432 000+ Kangaroo 75 000+

222 000+ Meghu



Ayb has created an online educational research platform based on the data collected through 13 years of mass competitions. This is a large database that provides ample opportunities for research and analysis in the field of education to any expert or organization.



Through team competitions, schoolchildren and young people come together around their interests, often choosing a profession or field of science based on that, and later forming a solid professional community. Our team competitions are mostly on natural sciences, and have a great impact on children's scientific orientation at school.







In 2010, for the first time, the All-Armenian Tournament of Young Chemists, designed for schoolchildren that love chemistry, was held in Armenia. It is Ayb's first Armenian team competition created for schoolchildren, and gives them the opportunity to get their first experience in scientific debates and research. The teenagers also get the opportunity to represent our country at the bigger, All-Ukrainian Tournament of Young Chemists.

In 2020, the competition got a logical continuation, moving to the HEI system, which was very important to complete the chain and create a direct link for science–employer cooperation through our project.

Today we already have a large community of chemists who have combined the potential of different generations.



In 2014, Ayb became the Armenian representative of the World Robot Olympiad and its official national organizer in our country.

In 2016, the national round of this most popular school robotics competition was held in Armenia for the first time.

This is our visiting card in the modern technological world and not only develops the creative thinking of our children but also gives them the opportunity to annually represent our country in this most prestigious world Olympiad.



In 2021, for the first time, the LegoStart competition for beginners took place in Armenia. That was a good start, especially for the marz novice teams, to prepare for the World Robot Olympiad.



11 teams got the opportunity to develop their skills and measure their strengths in a more experienced environment.

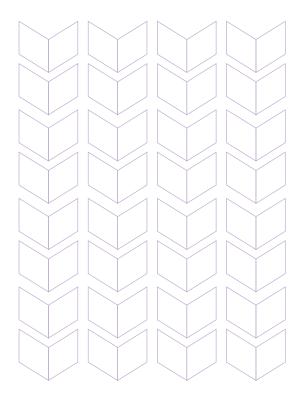
#### Tournament of Young Chemists

since 2010

**★** teams 299

★ students 1447

★ teachers 280+



#### Tournament of Chemistry Students

since 2020

↑teams 10

→ participants 45

## World Robot Olympiad since 2016

†teams 74

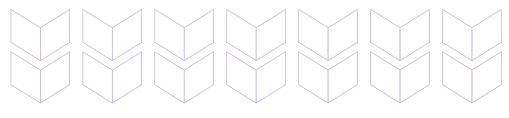
**★participants 210** 

#### LegoStart

since 2021

↑teams 11

→ participants 33







## Khan Academy

**Education for Everyone, Everywhere** 

To eliminate the unequal conditions of education, the materials of one of the most competitive and high-quality educational platforms—the international Khan Academy—have been localized since 2017 on the initiative of the Ayb Educational Foundation. The Armenian website of Khan Academy offers exercises, articles, and educational videos. It is an individual learning platform where learners plan their own learning. The Armenian version of Khan Academy enables thousands of our children and teachers to use the rich and modern materials of the world of education free of charge.



## Khan Academy provides:

- Individualized education: learners move at their own pace
- Reliable materials that are always free for students and teachers
- Teacher assistance tools to identify students' gaps and apply an individualized approach

In the conditions of the pandemic and of the change in educational system, Khan Academy was one of the firsts to assist teachers and students, registering an unprecedented 200% more users on the online platform.

## Khan Academy in Armenia

Educational videos and exercises in mathematics, chemistry, physics, biology, which are adjusted to school curricula, are now available for free and in Armenian. Other sections such as entrepreneurship, culture, art, English, music, and SAT exams are also available. Currently new sections are being added:

financial literacy and computer science.

In parallel with the localization, Khan Academy, which has a special section for teachers, organizes a series of targeted workshops for teachers and students (last year alone, more than 1000 students and 300 teachers participated). This series of workshops started in the most remote and border communities.

#### Platform visitors

since 2017

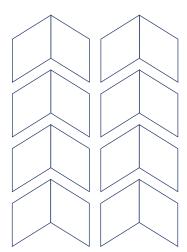
#### 720 000

#### Users

data for 2022

#### 63 013

23% increase compared to the previous year



#### Learners

47 583

#### Teachers

11 100

## Parents 4330

YouTube channel subscribers 13 400

Views on YouTube 1,9+ million

Learning minutes on the platform 35 000+

Average number of daily users of the platform 670

Members of the Facebook community of natural science teachers 3000

# Ayb Learning Hub The First School Campus in Armenia

The Ayb Learning Hub is one of the strongest and largest projects of the Ayb Educational Foundation. Here each element is education-related, while at the same time contributing to the harmonious coexistence of pedagogy, science, art, business, and other spheres of public life. All the infrastructures of the campus are designed: school, science and technology center, fab lab, Church of the Holy Translators and community center, kindergarten, sports complex, dormitories, green areas. Some of them have already been brought to life.

The unique solutions of the Ayb Learning Hub are the result of the joint work of the Armenian architects of Storaket Architectural Studio and the leading specialists and scientists of the Massachusetts Institute of Technology and Harvard University.

#### Infrustructures of the Hub

### **Ayb School**

The school was opened in 2011 and is already 10. This community school is not only an institution that imparts knowledge and skills but also an active participant in public life.

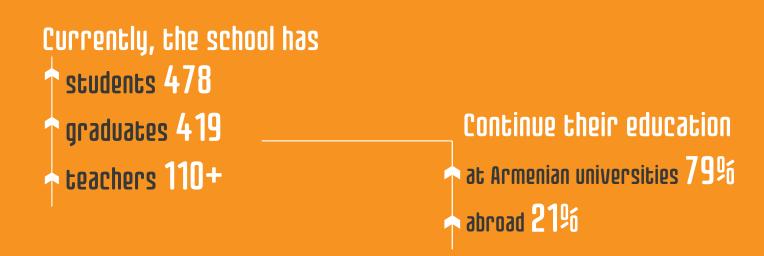
Since its foundation, \$8.8 million has been invested in the construction of the three buildings of Ayb School.

An important component of Ayb School's teaching methodology is project-based learning, by which all students are involved in various projects implemented in everyday life, practically testing and applying their knowledge, developing communication and teamwork skills, and choosing their future profession. Community service hours are very important for the development of social responsibility: children do community service or volunteer work and make it a way of life.





In fact, Ayb School is an educational laboratory where after successful piloting of innovative programs their rich experience is granted to the field of general education and beneficiaries. Ayb students study the Araratian Baccalaureate (AB). It is an Armenian educational program developed by the Ayb Educational Foundation.

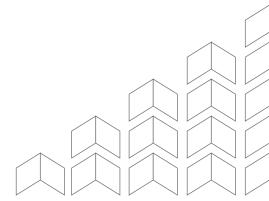




# The First Social Project in Armenia's Non-Governmental Education Sector

The main component of Ayb School is the first social project in the field of non-state education in Armenia. Ayb High School uses a scholarship system that allows talented children to be admitted to Ayb School regardless of their parents' financial status.

The Ayb Foundation raises funds from donations from individual benefactors and organizations so that any student who has been admitted to Ayb High School may not be deprived of the opportunity to study for financial reasons.



The Foundation programs aimed at replenishing the Ayb High School scholarship Fund.



## During 10 years, the Ayb Educational Foundation has transferred

#### AMD 1 158 181 503

to Ayb High School's scholarship Fund to reimburse the tuition fees of 490 students.

Today, 86% of high school students receive scholarships.



The Foundation programs aimed at replenishing the Ayb High School scholarship Fund.



The Goodwill Dinner is a charity project launched in 2017 for the replenishment of the scholarship fund. The project aims to help Armenian children get the best education opportunities regardless of their families' financial status.

All the proceeds from the auction organized for a dinner meeting with a famous and beloved person are directed to the tuition fees of the students of Ayb High School.

During 2017-2021, **60 meetings**took place, as a result of which **AMD 7 000 000+**was raised.





The goal of Ayb's mentoring program is to create a strong chain of mutual assistance between generations and to contribute to the transfer of values as well as personal and professional development of generations. As part of the program, a member of the Ayb community volunteers to serve as a mentor for Ayb School alumni until they become 25.

Ayb's first-generation alumni have also taken the role of mentors and support new graduates on the difficult path of professional and personal growth.



students 402

2014-2021 alumni

mentor graduates 58

mentor benefactors 16



Fab lab is an exceptional, large-scale program of introducing innovative smart laboratories in Armenia, with extensive impact in Armenia, making the education applied. Fab lab provides an opportunity to promote research in robotics, physics, technology, mechanical engineering, and other fields, as well as to create a new research platform for young Armenian scientists. This is an open platform that serves an entire community.

By joining the fab lab network, Armenia became a member of the Massachusetts Institute of Technology's (MIT) vast international educational network and got a chance to use the skills, knowledge, and experience developed in the member laboratories.

#### The Ayb Educational Foundation:

- ✓ obtained through financing by the Central Bank, licenses from MIT for two fab labs, as well as equipment for the Dilijan Central School's fab lab;
- with the joint efforts and finance of VivaCell-MTS, built and replenished the fab lab of Ayb School, Yerevan.

## Science and Technology Center

It is envisaged that this center should become a new platform that will stimulate the interest of children and young people in science and experiments in the study of experimental sciences and will contribute to the professional development of teachers. This is one of the projects of the Ayb Learning Hub.



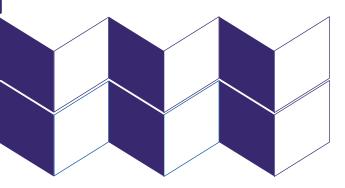
## Church of the Holy Translators

Currently, Ayb is a modern example and continuation of the movement of the Holy Translators. The presence of a church in the learning hub symbolizes the connection between knowledge and moral values. The movement launched by our Holy Translators—St. Mesrop, St. Sahak and their disciples—has been a most illustrative example and source of inspiration for the Ayb Community, and thus the building of this church symbolizes the people on whose written heritage the Armenian identity and spiritual awareness are anchored. The church is the guarantee of the formation of not only educated but also moral generation. For centuries, the Armenian Church and School worked hand in hand, ensuring the spiritual and national unity of our people and cultivating creative harmony between knowledge and values.



An international open competition was announced for the selection of the best architectural concept for the construction of the Church of Holy Translators. The 119 individual architects and organizations that participated from Armenia, Russia, Spain, and USA presented 50 projects, and the one by architect Erik Ohanyan was finally selected. The church will consist of stone books, each of which will symbolize one of the Holy Translators.

The work in internal and external haut-reliefs, inscriptions and artistic solutions of the church that lasted about two years came to an end. For the launch of the construction of this unique church, the project is in the fundraising stage.





Today, Dilijan Central School acts as a center for various educational initiatives not only in Dilijan but in the whole marz, becoming a unique opportunity for students to create, especially as it has a fab lab, an open space for experiments and ideas for educational and scientific institutions. The mission of Dilijan Central School is to be a leading and innovative school, and become an example for other schools in the marz.

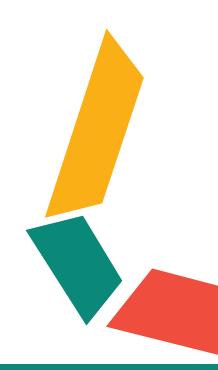
- DCS graduates 80
- ↑ DCS students 133

From:

Yerevan 44

Dilijan 70

Other cities of RA 19



Dilijan Central School was opened in 2013, through cooperation between the Ayb Educational Foundation and the Central Bank of Armenia. It belongs to the family of Ayb schools and is Ayb's first school project realized by external order and funding. As a result of this collaboration, an urban school model was created, accessible not only to Central Bank's employees but also to children from other families living in Dilijan.

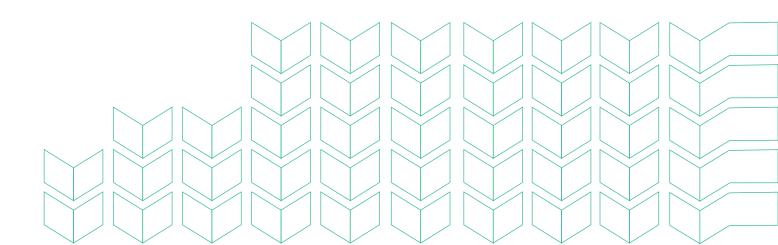
The conditions for studying at school are the same for all students.

The Central Bank reimburses the tuition fees of all students.

## AybLab

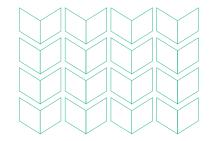
#### Model of a Modern Subject Laboratory

One of the first large-scale projects of the Ayb Educational Foundation was the opening of modern and technologically equipped subject laboratories, AybLabs, and the improvement of teaching methodologies in them. AybLabs are holistic laboratory complexes with their own unique spatial solutions, furniture and equipment, communication and security systems.

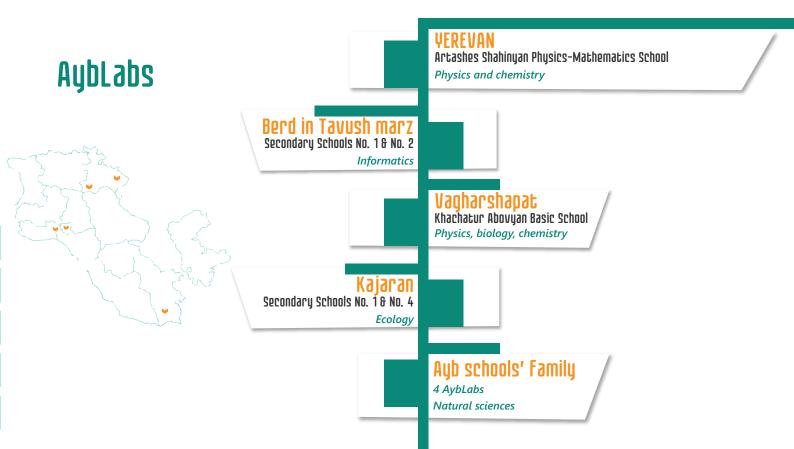


This project aims to create learning environments where students would be eager to learn, explore and create. Here they have the opportunity to discover their potential, conduct experiments, come up with small inventions, and sow the seeds of their future success.



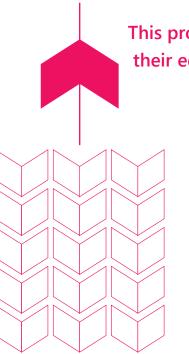


Thanks to AybLab, an exemplary model of a state-of-the-art subject-based lab was created. Thanks to the efforts and financial investments of the Ayb Foundation, it became widespread and a precedent for new labs to be introduced in various schools throughout Armenia.



# Scholarship for Students of the Best Universities

During 2008-2022, the Foundation also granted scholarships to a total of 38 students from Armenia and the Diaspora to support their studies at the world's leading universities through targeted donations made by individuals and corporate sponsors.



This program creates an opportunity for Ayb graduates to continue their education at the best universities of the world and to use the acquired knowledge to serve the homeland.

The program provided \$1.5 million for scholarships



### Generation Unlimited

#### An Idea Competition

Attaching importance to the imperative of generating ideas to address community or social problems, the Ayb Educational Foundation, in collaboration with the United Nations Children's Fund (UNICEF), the United Nations Development Programme (UNDP), and the Dilijan International School (UWC), carried out a competition of ideas, Generation Unlimited (GenU), which was attended by 12 teams – 50 young people from different marzes of Armenia.

The goal of the GenU Global Partnership was to provide expanded education, training and employment opportunities for children and youth aged 10-24.

#### The five winning teams of the Armenian competition

- VR Lab
- CreActive
- ▼ For Change
- Word by Word
- Pottery Village

The final competition hosted participants from 36 countries, among which Armenia was represented by two teams—Word by Word and Ayb School's VR Lab.

In 2022, Ayb will implement a new program of Generation Unlimited (Generation Unlimited Youth Challenge 3.0), giving Armenian youth the opportunity to generate new ideas and propose interesting solutions to various problems.





## Formula for Success

This is an open platform for master classes and speeches that gives an opportunity to get acquainted with the life experience of famous and successful people. It is a platform for alternative education and new knowledge, ideas and inspiration.

Ayb has been holding such master classes since 2009. We have had about 50 meetings so far.



In 2021, for the first time, the Meghu competition was held in a new format adjusted to the media. The goal was to also unite the mass media with the love and care for the mother tongue, as the media play an important role in preservation and dissemination of the language.

#### Six mass media came together around Mediabuzz:

- ▼ The Hetq Newspaper
- Armenpress News Agency
- Mediamax News Agency
- Azatutyun Radio Station
- Sputnik Armenia News Agency
- ✓ Aravot Daily

The teams competed with their knowledge of Armenian during the two stages of the game, proving once again the necessity of the proper use of the mother tongue and the educational role of the media in that matter.



In 2021, for the first time, the Ayb Educational Foundation held a unique competition, ForMath, launching a new, very important culture of fundraising.

#### Eight leading companies took part in the contest:

- **▶** Picsart
- Armenian Code Academy
- **■** SoftConstruct
- PMI
- **■** HiLearn
- **▶** Ameriabank
- ServiceTitan Armenia



The purpose of the competition was to enrich the Armenian-language materials of mathematics on the Armenian platform of Khan Academy and to collect resources to ensure their free access. The membership fees received during the registration phase were fully directed to the localization of high school math problems on Khan Academy's platform. Thanks to this new format, IT companies made a joint contribution to the multiplication of educational opportunities in Armenia.



In 2021, Ayb launched its first series of educational podcasts,

Aybpod.

Twice a month we touch upon any topic related to the field of education, discuss, analyze, listen to experts, tell about successes and innovations, prepare for the upcoming challenges. We talk about the most important educational topics, and help interested people to develop their quality sound space.

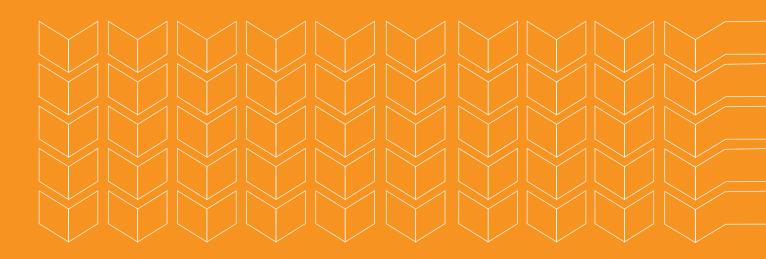
These are the big and significant programs we have implemented for 15 years, but the scope and impact of Ayb are not limited to this.

Ayb has also implemented many other successful programs,

such as intensive subject courses, a summer media school, the introduction of the MIT Open Courseware mirror site, etc.

These are united by the basic idea of Ayb: the secret of having a strong state is in targeted investments in education, and the creation of one's own independent model of education through them.

Our 15-year history is rich in people. We have gone our own path with our unique partners and organizations, which are dedicated to education, have high social responsibility, and appreciate our ideas and values. Through numerous memoranda they have affirmed our common desire to transform education.



We are grateful to each of them for their trust.

#### Our partners:



















































































































Tabriz Armenian Tamaryan - Sahakyan National School









**Education Department** of Krasnodar's Union of Armenians of Russia

































































Louis Charden, Hans&Franz, Alaska by Hans&Franz, Chinar, Vostan by Tsirani ,Tsirani Home, Tsirani Garden, White Hall by Tsirani



## Here you can get acquainted with the complete list of our benefactors:



#### **Strategic Sponsors:**

David Yang
Artur Janibekyan
Matevos Aramyan
Davit Pakhchanyan
Sergey Hambardzumyan

Valuing the past and making education the highest value, we are moving toward the next 15 years of our activity.

# The continuous donations and support of our benefactors are the guarantee of the longevity and effectiveness of Ayb's programs.

Even the smallest investment in our programs returns to all of us and our country, bringing its results.



# Let us continue to create the best future for the new generations together!

