



Ayb

Educational
Foundation

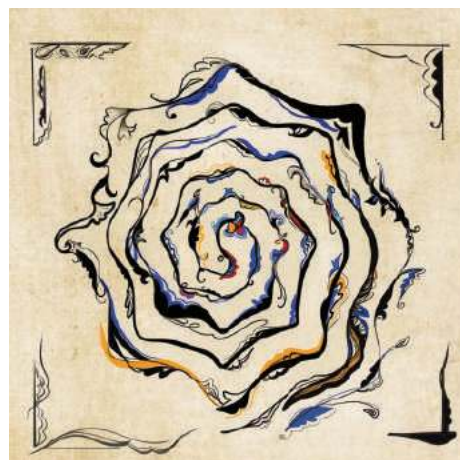
REPORT
20
21



Our annual reports present Ayb's activities, philosophy and mission each time in a new light. These are reflected in our logo's elements.



2020



2021

The spins of Ayb's logo, which symbolize eternity, are whirling faster each year, staying true to our idea of making the best education available to a larger number of people.



This year's Ayb report is a unique return to Armenian ornamental art, whose breath has been carried in the Armenian alphabet, writing and typography since ancient times.


Ayb considers itself the successor of the Holy Translators' movement and has created a large community of educated people who are willing to invest in education. It was with the invention of writing in the 5th century that we reinforced our commitment to having a national school, writing, literature and music. In retrospect, it becomes clear that the bases of our national self-awareness and education were also laid through the movement of the Holy Translators. We consider it our duty to firm the foundations of this educational movement coming from our roots and to pave the way for the next generations through education to strengthen our homeland.



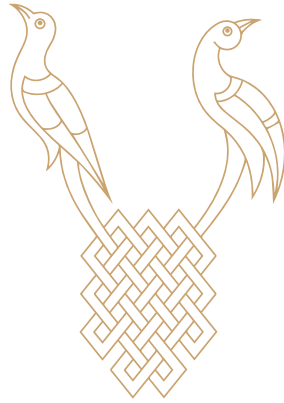
With this report, we considered it a priority to emphasize the uniqueness of the Armenian ornamental art and the importance of the visual information it conveys, as in ancient times artists did in manuscripts.

The ornaments used in Armenian writing, both in parchments and manuscripts of the later period, are presented here section by section.

The first section that uses animal ornaments is red. In ancient times, this color was obtained from the Armenian cochineal and symbolizes action, enthusiasm and energy. For the second section depicted in floral ornaments, we have chosen the blue color which was obtained from flower petals, reflecting confidence. And for the third section containing symmetrical geometric figures and sun crosses, we have chosen orange, which is not only the color of light and the sun, but also the main symbolic color of Ayb.







Our Ideology

At the core of our ideology are the ideas of shaping a culture of excellence in learning and of supporting the development of Armenian education through systematic investments. We aim to transform human life and the future of our country through education.





Our Vision

- ◆ Setting a new benchmark for quality education
- ◆ Developing and exporting an innovative educational model on a national basis
 - ◆ Achieving systemic and qualitative changes in the field of education
 - ◆ Educating a competitive and creative generation of the 21st century





Sona Koshetsyan
Executive Director of
the Ayb Educational Foundation

”

2021 was an important milestone for us. The Ayb Educational Foundation turned 15. I am sure today we are all looking with great enthusiasm at the path taken together and refinding a new faith in every child's success, to continue our mission.

During these years, with the participation of many of you, we have brought to life a lot of educational projects, consistently advancing our vision of forming a new quality of education through systemic changes and creating new opportunities for our children each year.



The 15th anniversary was a good opportunity not only to summarize and appreciate our path but also to enter a new road to development, providing a unique chance of competitive education to the new generation. Our new strategic program, Ayb Hybrid Education, is about that.

The year was also rich with new initiatives, international cooperation, projects of large-scale impact as well as new programs for the support of the state on the road to educational reforms. You can read about these in our report.

It is especially exciting to see how the number of our partners and donations for educational purposes is increasing. It proves that people have started to believe more and more in the power of education. Thus, we still have a lot to do together, especially today.

”



15 Years of Impact:
History and Numbers

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

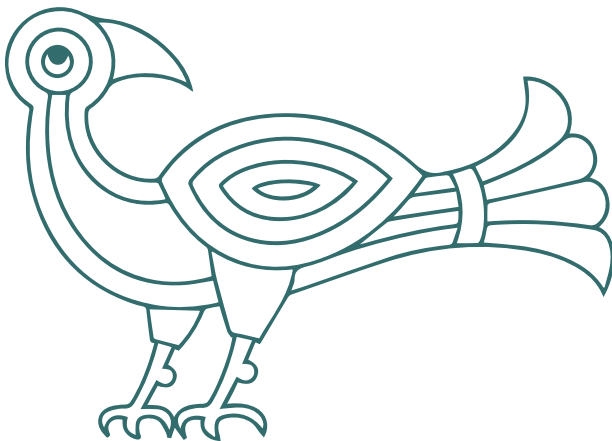
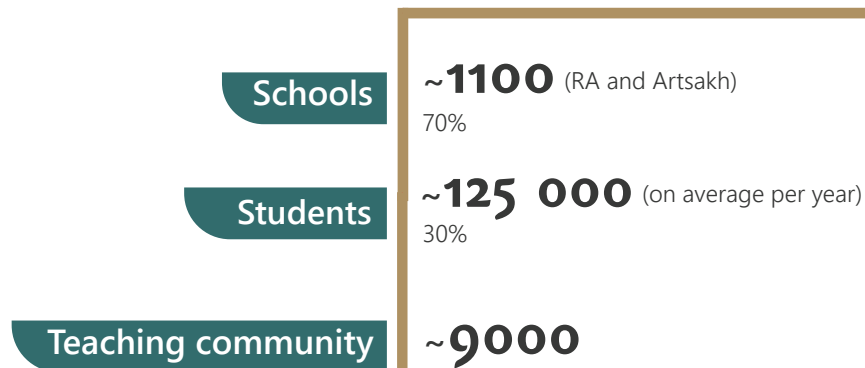


For 15 years, we have been creating real educational opportunities, spreading approaches and values that are surely important prerequisites for the development of our country.

Ayb system's three organizations' investment in education is

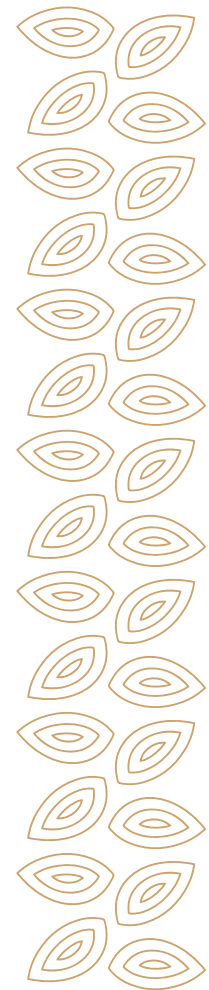
42 million dollars

Beneficiaries involved in projects





Community of benefactors is more than **600 people**



School competitions

Participants

734 000 (since 2018)

Khan Academy Armenia

Visitors

720 000 (since 2017)

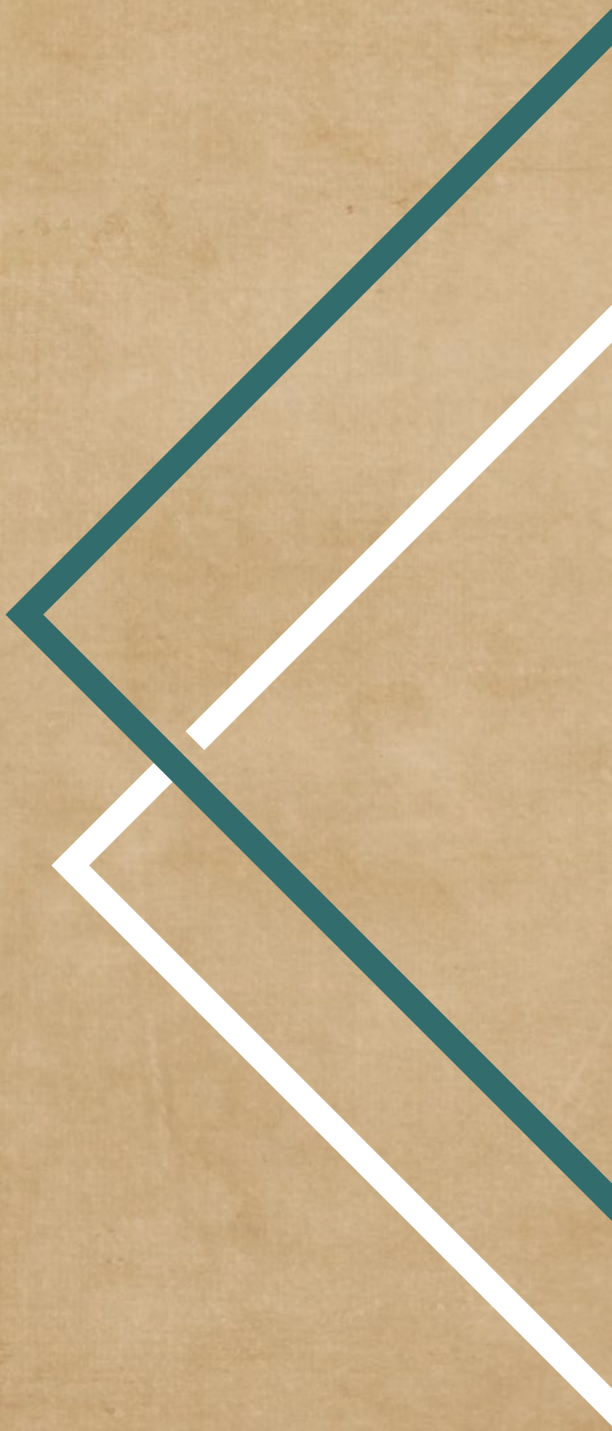
Users

63 013



Berge Setrakian
AGBU President

It is gratifying that the 15th and 10th anniversaries of the establishment and activities of the Ayb Educational Foundation and Ayb School, respectively, coincide with the 115th anniversary of the founding of AGBU. With affection and appreciation, AGBU has followed the creation and development of Ayb School, the upbringing of generations of Armenians and the development of self-awareness through a competitive curriculum, an in-depth understanding of history and culture, and the process of building high-quality education. Despite the grave crises striking our nation and homeland, and the difficult challenges faced, we, with our historical experience, look to the future with confidence, inspired by the high civic consciousness and the patriotic spirit of the young generation. We are also deeply convinced that due to the unshakable will and joint efforts of our people, our nation will recover and make its mark on the world. Therefore, in the spirit of cooperation and steadfast commitment to carry out our mission to uplift our nation and homeland, we extend to you our best wishes for continued success.

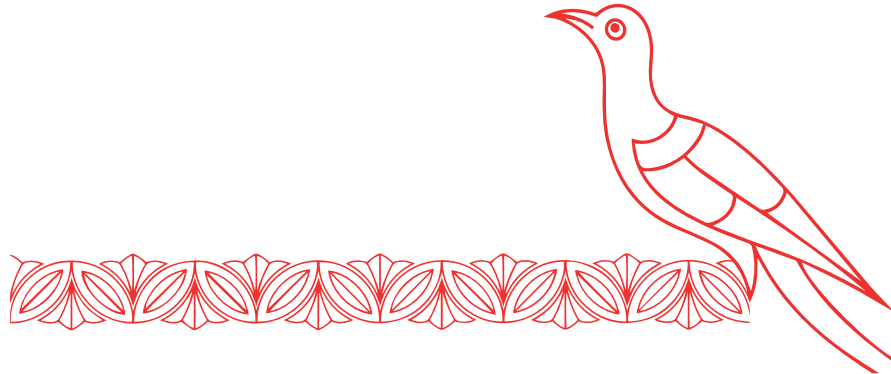


Action
Enthusiasm
Energy

Ayb Hybrid Learning

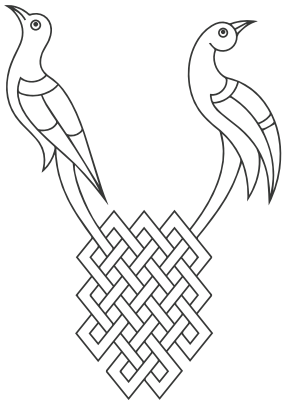


We do believe that quality and competitive value-based education can become a solid foundation for a new national rise and provide a long-term opportunity for development.



Ayb Hybrid Learning, which started in 2021, is one of our strategic and prospective programs. It aims to make the Araratian Baccalaureate accessible to all students of the Republic of Armenia and Artsakh. In 2022, it is planned to be launched in the Diaspora, giving a chance not only to receive a competitive education at the international level but also to make the subjects of Armenian studies—language, history and culture—a learning component.

Aims of the Program



- Creating a modern global platform of knowledge, educational resources and methodologies
- Forming a network of partner schools
- Providing access to online and offline educational programs for learners
- Improving teachers' mentoring and individual teaching skills through the Araratian Baccaulaureate's teacher development program

The Philosophy of the Program

Our educational philosophy is anchored to the concept of content, identity and the common good.

Our key issue is to build sustainable communities of learners who, in today's world, can:

- ___ find their place as individuals and members of society,
- ___ attach great importance to their own knowledge and undertakings,
- ___ realize the good and take responsibility for themselves and their communities.



What the Ayb Hybrid Learning program provides

- ◆ A project-based learning experience with combined application of knowledge from different subjects
- ◆ Depending on the project, advanced teaching of one natural science subject with the prospect of obtaining an internationally recognized final exam certificate
- ◆ Testing ground for choosing the future profession
- ◆ Development of soft skills through teamwork
- ◆ Promotion of civic activism and participation in public life
- ◆ Analytical thinking, public, personal, team responsibility, cooperation
- ◆ Research skills, self-management and self-organization, self-analysis and orientation capacity
- ◆ Initiativeness, communication, creativity

At this stage, the tenth graders of RA and Artsakh's public schools participate in the program, as part of which they will bring to life practical or research projects in any natural science subject within a year and a half under the guidance of leading organizations and individuals of the given field.

Initial stage of the program

Applicants

136

Entrance examinations

Participants

100

Interview stage

Interview stage

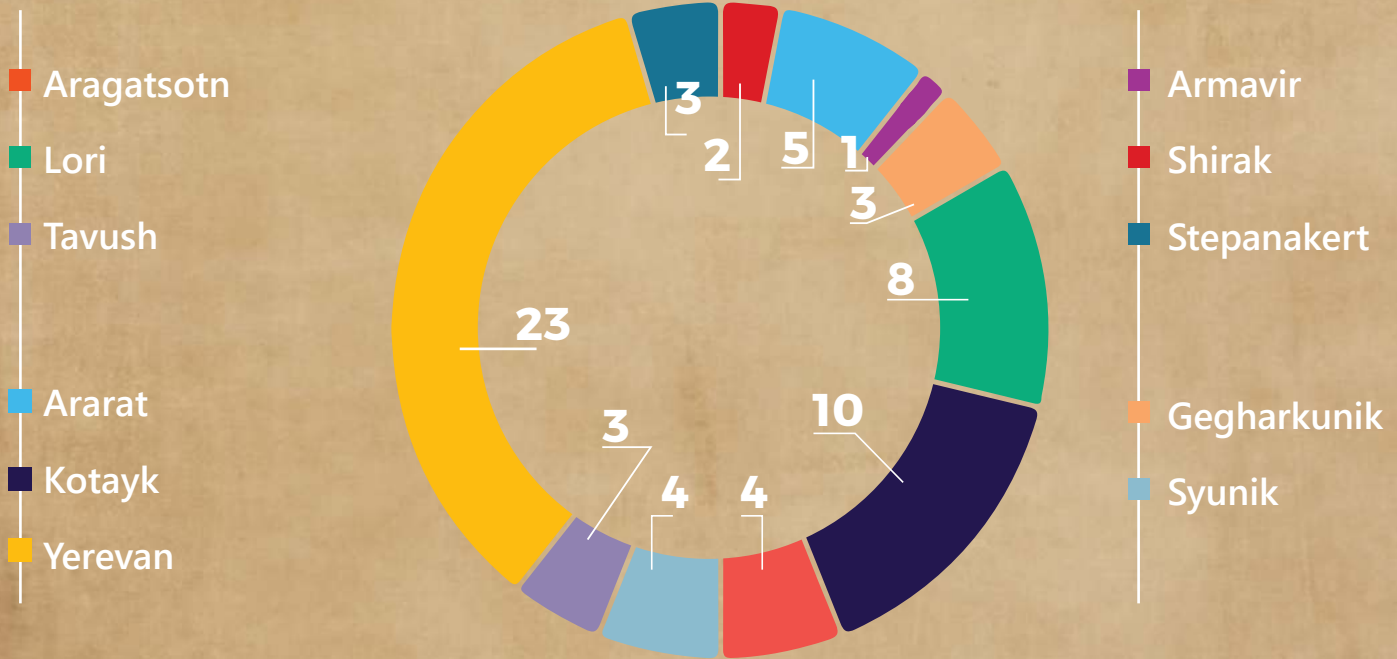
70

Program's participants

Students

66 (43 from RA marzes and Artsakh)

Geographic Distribution of Participants



Project-Based Learning

Project-based learning is an innovative educational model incorporated in the Ayb Hybrid Learning program and is directed toward expansion of students' skills and deepening of subject knowledge.





A View Toward Project-Based Learning

David Yang

Co-founder of the Ayb Educational
Foundation and Ayb School

Ayb Hybrid Learning is based on the hybrid education model that teaches teamworking, setting goals and achieving results. Project-based learning is the education of the future. It has been proven that gaining knowledge and developing skills by implementation of projects is the most effective method for mastering the subject. In this way, students solve real-life problems, not invented ones. The result is a priceless hands-on experience and a whole new level of subject mastery. If you are going to enter the world's best universities, pave a professional path in a well-known international company or start your own startup, then I recommend that you participate in the Ayb Hybrid Education program. It will become your most important investment for the future.

A portrait of a young man with short dark hair, wearing a dark grey hoodie, looking directly at the camera against a plain, light-colored background.

Beniamin Hayrapetyan

Artsakh

”

I was born in Artsakh's Sarushen village and studied there until the ninth grade. Then I moved to Stepanakert for studying at high school. I chose chemistry from Ayb Hybrid Learning program's courses. Good knowledge in chemistry can help you create a chemical plant to produce the materials that are imported from abroad. Of course, our country is small, financial opportunities are not great, but in the future that can become a reality.

I would like people to think more about the state, and I also want Armenians to be in solidarity and unity.

”



Through the Eyes of a Project Leader

Nver Abgaryan

Project Manager

Being one of the project-based learning managers of Ayb, I see how the students acquire competitive knowledge equivalent to today's life, how they use it to find the problems of today's life and begin to realize their solutions. This process is simply wonderful. Each project is very interesting. I recommend that you participate in Ayb Hybrid Education, because it is a great investment in finding your future career.



Why project-based learning?
Professionals, learners,
and project leaders share their stories





The 66 participants of the program are now grouped into 11 project groups

Greenology

To assess the impact of air pollution on plants growing near and far from roads in different regions of Armenia, the project intends a study of large-scale literature as well as cultivation and care of various plants, combined with biometric measurements, collection of leaves and their examination.

Fantastic Fungi

To obtain oyster mushrooms with high nutritional value and several indispensable amino acids, vitamins (A, B1, B2, C, D, PP) and important elements (phosphorus, calcium, zinc, etc.), the project plans to research the technologies for obtaining this mushroom species through agricultural and industrial waste.

Arloopa Factory

By getting familiarized with all the processes of project implementation in the IT sector and applying the knowledge practically, a platform will be created to connect the beneficiaries and 3D artists, enabling the beneficiaries to order any 3D model from the artists.

Contemporary Fundamentals of Planning Urban Environments

Through workshops, practical studies and a brief introduction to urban planning theory, the project aims to teach to "read" the city and see its structure, constituent elements, development trends, and people's connection with nature with the prospect of having a new generation of urban planners interested in the profession.

Green Physics

Along with studying the problem of climate change, its causes and mitigation methods, the project aims to acquaint the students with the types of energy, their advantages and disadvantages, to transfer skills for the implementation of energy saving measures through an energy audit, strengthening theoretical knowledge by development of a prototype of an experimental device for testing the properties of thermal insulating materials.

DaVAnVR – Da Vinci's Anatomy and Virtual Reality

To promote the love toward biology and to integrate biology with IT, it is intended to acquire in-depth knowledge of biology and particularly human anatomy through research work. Implementation of an online application representing human internal organ systems through the Unity program is also planned.

Obtaining Bioactive Additives

Through the study of curative and preventive properties of RA's endemic plant species and the use of biotechnological methods, as a result of the project, biologically active additives will be created. Also, by means of cold pressing and extracting, cosmetic and medicinal oils will be obtained from plant species growing in different regions of Armenia.

TickTalk – Development and Practical Application of Herbal Repellents

Field research, collection of biological materials, their further processing in laboratory conditions: this is the toolset, through which it is planned to study and identify the repellent properties of some representatives of the rich local flora against epidemiologically significant blood-sucking arthropods and to develop eco-friendly means based on natural components.

Rlonic – Synthesis of Functionally Substituted Pyridine Derivatives and Behavior Studies in Ionic Liquids

The aim of the project is to discover compounds that can be used as a new ionic liquid through the implementation of various methods among synthesized compounds: synthesis of functionally substituted pyridine derivatives, analysis of the purity of synthesized compounds through spectroscopic methods, study of the behavior of the same organic compound in ionic liquids through nuclear magnetic resonance spectroscopy, development of methods for obtaining synthesized compounds in ionic liquids, etc.

Lifestyle Genetics

The basis of the project is the study of DNA structure, functions and mutations. As a result, it is planned to study the genetic profile of the population, depending on various factors and preferences, and to carry out a study of genetic predisposition to various factors by using modern genetic methods.

Smart Garden

Through the basics of robotics (mechanics, electronics, programming), the outcome of the project will be the development and creation of a programmable electromechanical device to be used for plant care, providing favorable conditions for plants according to pre-programmed requirements.



Real-world projects are not the only component of students' learning

Courses on Soft Skills

- ◆ Research skills
- ◆ Project management basics
- ◆ Design thinking
- ◆ Programming basics (Python)

Course on Identity and Values

The course aims to develop students' cognitive and self-analytical skills to help them clarify their own values in the context of national and universal values.

Lectures and Meetings with Prominent Speakers

This series will inspire students through motivating speeches, stimulate their creativity, encourage their initiativeness and help them avoid the fear of trying new things in life.

Feedback from a Learner

Harutyun Mkrtchyan
Hrazdan



I decided to participate in the Ayb Hybrid Learning program, because at the end of the program there is an opportunity to take an exam and receive an international certificate for the subject learned. It will allow to study abroad in the future and to bring more benefits to the homeland with the knowledge gained there.

I like mathematics. With my knowledge, I can first solve security problems. Modern technologies caused great harm to our country. So, it is necessary to develop in this regard and create robots.

There is no opportunity to get a good education in my city. If I have opportunities, I will first change the field of education, modernize schools or open new educational centers where children could discover modern technologies.



Dr. Ian Craig

Visiting Professor, University College London
Institute of Education

I have great pleasure in sending my good wishes to the Ayb Educational Foundation for its 15th anniversary. My first impression, which has not diminished over time, was that the Foundation was guided and staffed by innovative and influential thinkers, not least of them Father Mesrop, for whom I must make special mention. I have had the pleasure of working particularly closely with the Board and senior staff of Ayb School, all of whom have been dedicated, challenging, open to new ideas and not afraid of hard work. Ayb School is not only a model for others within Armenia, but for the wider world, and much of what it has achieved is regularly discussed internationally. Its most important achievement is that it has challenged the educational orthodoxy within Armenia whilst remaining faithful to its clearly defined visions and values – and this at a time of significant political change.

I send Ayb every good wish for the future. I am sure that it will continue to grow and exert influence through future generations of decision-makers in Armenia. I look forward to seeing its achievements over the next fifteen years.

A portrait of Dan Bray, a man with a shaved head, smiling. He is wearing a blue collared shirt. The background of the portrait is a solid red color.

Dan Bray

Deputy Director of Assessment and Head of Assessment Projects Group
Cambridge Assessment International Education

”

Working with colleagues from Ayb has been a pleasure. The project has been achieved at pace and this has only been possible because of the professionalism and dedication of the Ayb staff. We realized a project together. The work has often been complex and challenging but Ayb has never compromised on quality. We have worked closely and openly together in a spirit of partnership and the assessments that we have designed and delivered together are internationally recognised and genuinely support the excellent work that Ayb does through the schools, curriculum and teacher training activities.

I would like to congratulate Ayb on everything that has been achieved. I hope that Cambridge can support Ayb on their continuing journey to develop modern, innovative and high-quality education, both in Armenia and internationally.

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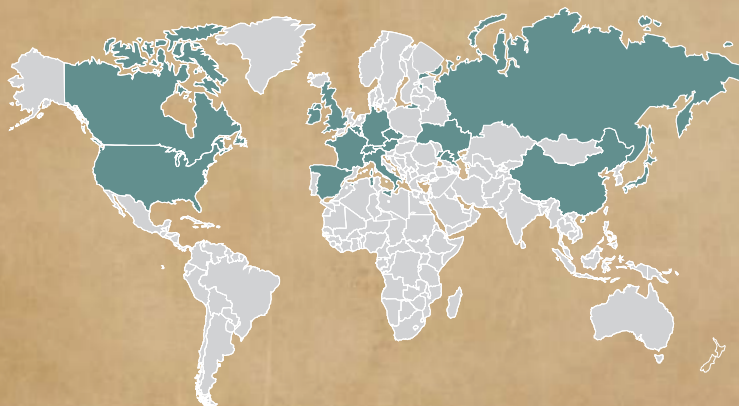
Araratian Bacculaureate

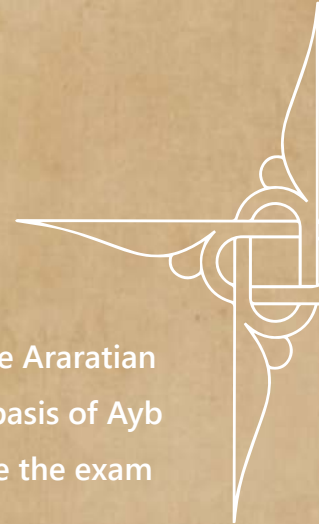
Our visiting card in world's best universities

The Araratian Bacculaureate program continues to receive wide international recognition and to provide Armenian children with an opportunity to enter, with Armenian-language education and without additional exams, the world's most prestigious universities: Cambridge, UCL, King's College London, UC Berkeley, UCLA, University of North Carolina at Chapel Hill, University of Colorado Boulder, Technical University of Munich and others.

The number of prestigious universities recognizing the AB diploma has become 139.

Last year, 45 students of Ayb School received an AB diploma and were admitted to both local and international universities: AUA, UFAR, YSU, YSMU, UBC, University of Bonn, University of Minnesota Twin Cities, etc.





With the support of benefactors, Ayb continues to invest in the activities of the Araratian Baccalaureate Examination Center, considering the fact that the AB forms the basis of Ayb Hybrid Education and many children from all over Armenia will be able to take the exam and get a certificate.

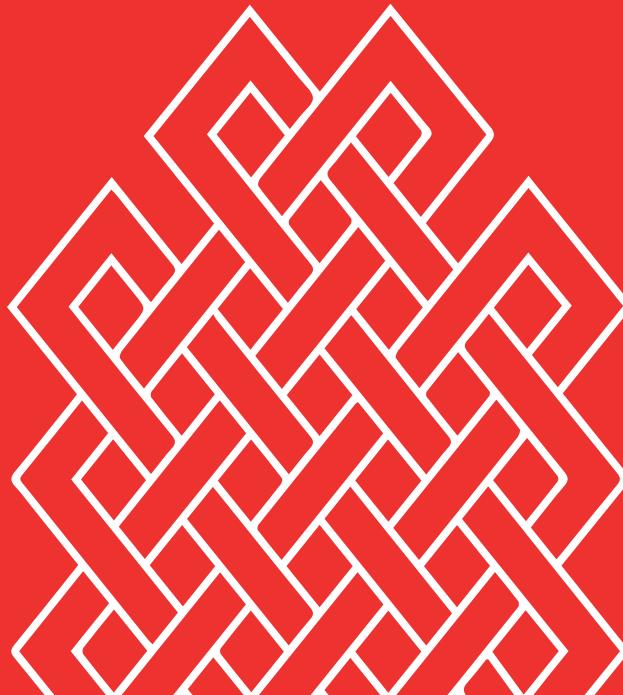
Let us remind you that the UK National Academic Recognition Information Centre (UK NARIC) recognized AB comparable to the British GCE A Level and US Advanced Placement.

**In 2021, the sum allocated to the Araratian
Baccalaureate Examination Center was
AMD 38 471 327**

2021 was remarkable for one more fact.

Criminal case on “possible abuses” by Ayb as part of the Araratian Baccalaureate program, as stated by the minister of education and science in 2018 and processed a year ago, was terminated by the RA Investigative Committee on the basis of the lack of corpus delicti. The decision states that no illegal activity committed by Ayb has been found. We were sure that this invented story could have no basis or continuation and that it would also receive a legal assessment and formulation.

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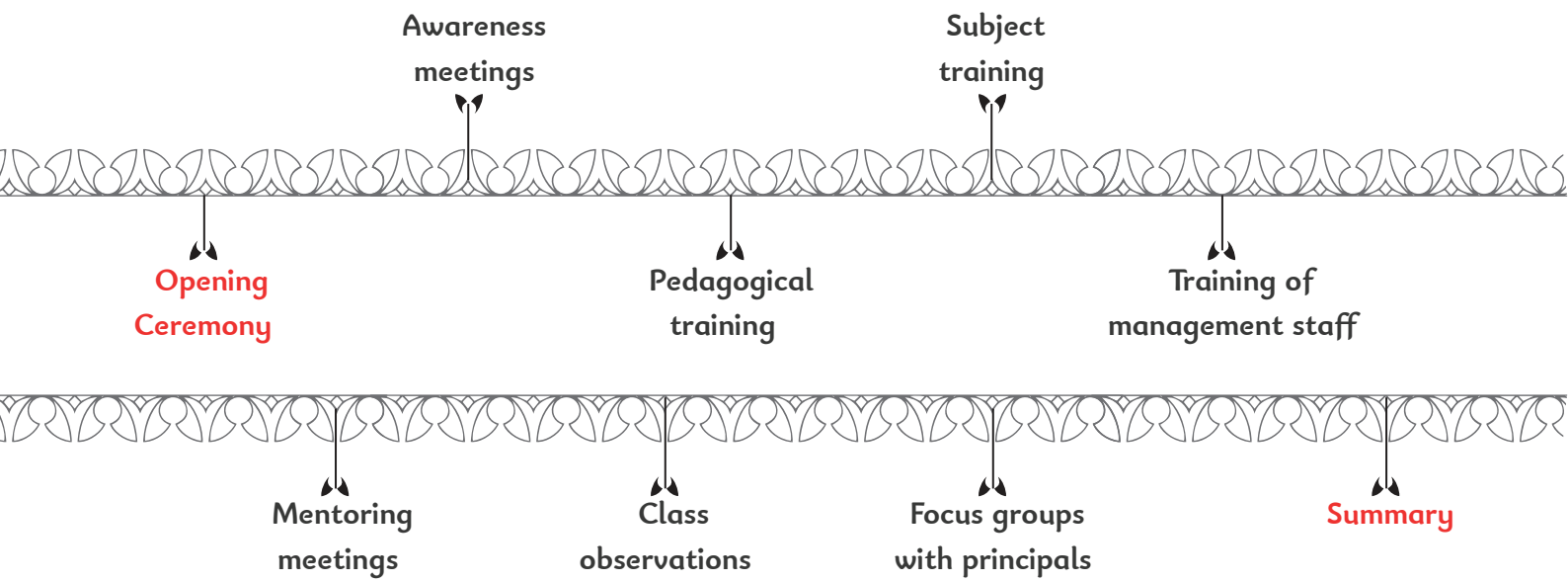


Introduction Program of the New State Standard of General Education in Tavush



Ayb supports the development of teachers' professional competences, the strengthening of the institution of leadership, and the formation of a culture of mentoring.


As part of the pilot program for the introduction of the state standard in general education institutions of Tavush marz, Ayb has undertaken to train 156 principals, vice-principals and 770 STEM teachers (some of them teach two or three subjects, and 680 have received pedagogical training) of all 82 schools of Tavush marz from August 2021 to May 2022. The project is implemented in cooperation with RA Ministry of Education, Science, Sports and Culture, through financing by the European Union and the World Bank.





In the second half of October 2021, the mentoring process also launched. Until the end of the program, 376 mentoring meetings per week are planned for the teachers of each pilot class of each subject.

**There are 26 training mentors
and 27 local mentors.**



Teacher Training

2

days offline

streams **4**

teachers **680**

sessions **100**

2

days online

groups **11**

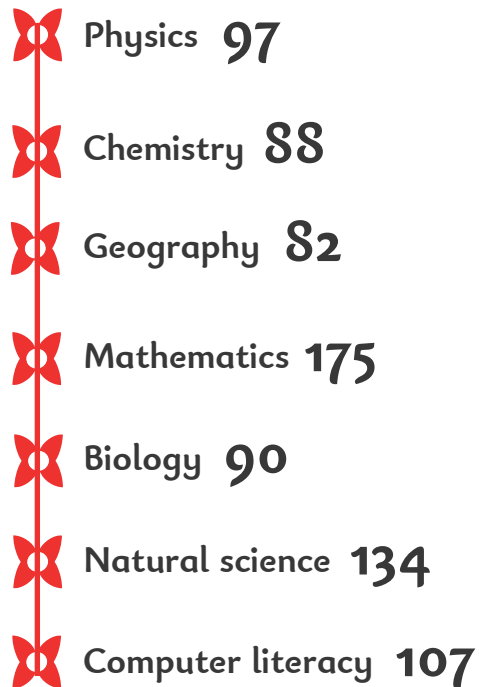
teachers **680**

session **33**

Each teacher receives

16 hours of pedagogical training.

Teachers that are being trained



As part of the program,
593 teachers were accredited.

Training of Principals and Vice-Principals

The training of principals and vice-principals is carried out in three stages.

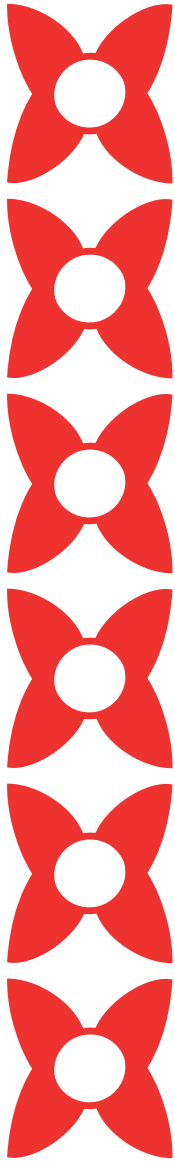
The main topics for the first stage of the meetings are as follows:

- ❖ Formation of school's development vision and strategy
- ❖ Difference between leadership and management
- ❖ Leadership of systemic changes
- ❖ Cooperation with parents and community
- ❖ Team leadership and effective communication
- ❖ Self-development and promotion of others' development



What Changes Are Planned for the Teaching Process

- ✔ Formative assessment
- ✔ Group work
- ✔ Connecting teaching to life
- ✔ Project-based work
- ✔ New IT tools
- ✔ New methods
- ✔ Laboratory experiments





Training Through Own Practice

Naira Margaryan

Head of pilot program for the introduction of the state standard in general education institutions of Tavush marz

”

The difficult path has begun where teachers are not afraid of change, of making mistakes, and of having discussions with students. They don't have a fear of conceding their teacher-centered role to students a little and helping them connect education to life. I see a wider scope of our work. The support and guidance that is available goes far beyond just training and teaching. Pedagogical approaches and children are changing... All this requires modern solutions so that children could acquire not only knowledge but also necessary skills for the 21st century.

”

Tatevik Abazyan
Vice-principal of Dilijan
Basic School No. 6



”

I have 23 years of teaching, and three years of management experience. I regularly participated in subject training courses, but Ayb's training for the management staff was a revelation for me.

The toolset, the free management approach and the knowledge imparted to us are applicable and useful. As a teacher of nature and geography, I can say that the teaching methods and modes of subject delivery that we have learned from Ayb's trainers were never used before. Previously, children were expecting a purely theoretical lesson, and the enthusiasm was not great, but today, thanks to the use of laboratory sheets and practical work, they react to my classes like this: wow, it's nature.

I believe that educators and the managers of the education sector should be flexible and constantly change their approaches.

”



Anahit Julhakyan

Principal of Berd Basic School No. 1

”

I have been a teacher for 30 years. My management experience is not that big. It is about two years. From the very beginning I have participated in Ayb's training, both online and offline. I am a person in favor of changes, I don't like it when everything continues to be the same for years.

As for training methods, they are freer. Ayb's specialists are younger, and I appreciate that. They are more flexible than us in technical matters. During online mentoring meetings, I admire their patience, detailed explanations on how to work. I am satisfied with the methods of imparting knowledge. Perhaps, we are a little overloaded, but that is our daily life.

”

This pilot program implemented in Tavush aims to further spread and embed this successful practice on introduction of new state education standard in general education institutions throughout the RA.

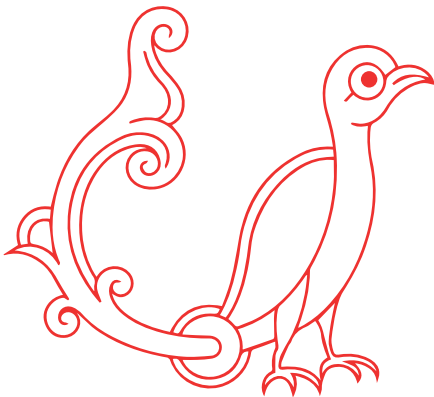


Essential Life-Saving Skills

Our Project for Adolescents with International Partnership

A series of courses on essential life-saving skills for adolescents (13-17 years old) was implemented in Armenia through the cooperation between the Ayb Educational Foundation and the UNICEF Armenia.

The initiative's objective was to empower adolescent boys and girls through social and emotional learning to support the processes of strengthening social cohesion, reconciliation, and to prepare communities for post-war adaptation, reconstruction and social development. Within six months, we visited almost all high schools and educational non-governmental organizations of Armenia's 22 communities of nine marzes.



The program was implemented in two phases.

Phase I

February-July

Tavush
Gegharkunik
Ashtarak
Yerevan

Teenagers | 350

Marz specialists | 60

Phase II

July-January

Syunik
Vayots Dzor
Ararat
Armavir
Kotayk

Teenagers | 500

Marz specialists | 75

The second phase of the program was implemented with the sponsorship of the Embassy of Japan.

A decorative white line-art illustration of a floral branch with various flowers and leaves, set against a textured, aged paper background. The illustration is positioned on the right side of the page, extending from the top towards the bottom.

Total:

Teenagers | **850**

Marz specialists | **135**

Program's Impact in Numbers

The participating groups of the program were created based on the psychological needs of the adolescents involved.

Total groups | 25

Participants (per group) | 16-20

Thematic components | 2

For adolescents and local professionals
(psychologists, teachers, social workers, etc.)



Stress management skills
Evaluation of participants

50%

Before the launch of the program

81%

At the end of the program





Hasmik Aleksanyan
UNICEF Youth Program Manager



We all live in stressful and conflict situations, and it is very important to have these life skills. We decided to definitely implement this program and equip young people with 16 basic life skills that will help children to know themselves, others, their feelings, emotions, manage stress, keep calm, communicate with peers. These skills will help adolescents be more prepared for adulthood, make healthier decisions, and have healthier relationships with surrounding people and family members.

Post-war Realities and Their Management Through the Eyes of Artsakh's Children



Valeri Amirjanyan

Student of Metsamor High School No. 2 named after Sasha Galstyan

From Village of Tumi, Hadrut region

After the war, my family came to Metsamor. Now we live in Metsamor hotel. The course helped me to look at life from a different perspective. I understood that you should look straight ahead and move forward. Looking back to see what you have left behind is hurting. It was useful that we learned to manage fear and stress through breathing. That is very important during wartime.

I have many goals. My priority is to serve our country after graduating from school, then to study at the Police Academy. I want to become a traffic policeman. I made friends from the program who give me hope, saying that one day I'll return home.





Ruzanna Vanelyan

Student of Metsamor High School

From Artsakh's Hovtashen village

After the war, I had mistrust toward life, situations, people, myself. The course helped regain confidence in my own strength. I acquired knowledge about ways to overcome stress and became more optimistic. Now I can more easily find solutions to various problems.

One of the essential life-saving skills is the ability to set clear goals. As a result of the course, we learned to give more space to goals instead of dreams. A dream often stays just a dream, while a goal is a desire that you set before yourself for its achievement. I have no dreams, and my goal is to get a good education, become a successful person so that I won't need others, but others need me, and not to ask for help, but to be able to help others.

A portrait of Lida Margaryan, a young woman with long dark hair, wearing a blue textured sweater with cut-out shoulders. She is looking slightly to the right of the camera with a neutral expression.

Lida Margaryan

Student of Metsamor High School No. 2 named after Sasha Galstyan

From Artsakh

When I got acquainted with the topics included in the project, I found them fascinating and very attractive. I was convinced of that during the course.

I have favorite topics which helped in my personal life. These include self-awareness, ways of getting out from stress, positive thinking, conflict resolution.

When I just came from Artsakh, I didn't have positive thinking. I was anxious, had mistrust toward everyone, and the program helped me become more purposeful, understand the main problem and find complete solutions.

Although it is said that life helps to understand, it isn't bad when at this age of transition, adolescents receive directions and help in having the right way of thinking.



Research for Educational Needs

The Ayb Educational Foundation conducted a research on educational needs as part of the UN project Modern Parliament for a Modern Armenia and introduced the results to the RA NA Standing Committee on Science, Education, Culture, Diaspora, Youth and Sport.

While carrying out the research, legal regulations and international practice were studied according to sectors. Meeting-discussions were organized with the responsible state bodies, non-commercial state organizations and foundations participating in the implementation of the policy in the education sector.

The research was conducted on four comprehensive topics.

The first topic concerns the improvement of procedures on giving teachers the right to work;
the second is about distance education;
the third concerns core problems of non-formal education, extracurricular education and the priorities of legislative regulation;
and the fourth relates to the law on the Fundamentals of Cultural Legislation and the legal relations arising from it.

Ayb's extensive research is an important basis for educational reforms.



Ayb as a Partner of Mission Talent

In 2021, Ayb became one of the partners of Mission Talent, an all-Russian accelerator of programs for the identification, development and application of human potential. The organizer of this initiative is Rosatom Corporate Academy. As a result of the cooperation, Ayb trained more than two dozen specialists through the "Improvement and Development of Teachers' Quality" online course. To successfully pass the course, the specialists participated in the program consisting of 10 sections, out of which seven were mandatory to complete to be considered a graduate. The program also provided an opportunity to submit a research project and receive a certificate of a teacher researcher upon successful defense.







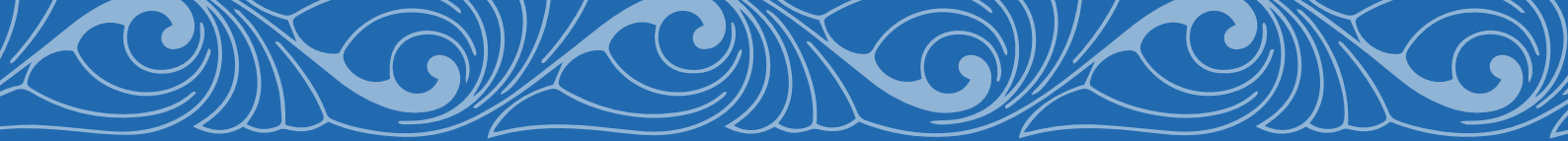
Aram Pakhchanyan

Chairman of the Board of Trustees
of the Ayb Educational Foundation

”

Community keeps people together. If there weren't collective responsibility that we took all together, there wouldn't have been Ayb.

Together with the Ayb community, we have made initiatives in very different fields, but the interesting thing is that when investing in other fields we have again come to the idea that in all cases without quality education our every investment will be useless. No investment works if there isn't education. Those investing in Armenia should understand that if the vast percentage of their investment doesn't reflect in the enhancement of education, then their investment is absolutely useless. At best, it's a short-term way of making money. That is the reason why we stayed so long and consistently in the field of education.



I'm sure that we will form a habit of investing and believing in its future and prospects. We will shape the vision of our development and will have a great wish to serve the realization of that vision. Today as always, our main goal is that all people in Armenia have a vision for the future and realize that we are important for the world.

The feeling that you serve a real mission that is not fairy or imaginary and is based on genuine belief and real values is priceless. I would like people looking at us to see we are not scared of anything; we are everywhere and sustainable and we continue to be a guideline for development and a source of truth.

Ayb is a storage where the treasures and values of our society are stored and we as soldiers stand in the defence of these values. Woe to the day we start to lose these values. We should be very honest to ourselves, otherwise we'll lose them. And values are preserved when there is mutual trust. I want us to cherish that trust.

”

It is exciting to see how the number of donations and of our partners for educational purposes is increasing. The number of online donors alone reached at least 70 during the year, and Ayb's community of core benefactors and our partner organizations contributed almost equally to Ayb's mission to make a positive impact in the lives of our beneficiaries.





Ayb's Strength Is Its Community

With the support of benefactors, we were able to open new paths and bring a huge impact on many schools, students, teachers, scientific and educational institutions, experts and other beneficiaries in the Republic of Armenia, Artsakh and the Diaspora. In 2021, together with you, Ayb participated in the largest public and scientific education reforms and partnerships of our country.

Over the past 15 years, our large community has made a great professional, financial and time contribution to the development of education, becoming a stronghold and supporter for the state. These important contributions are made in different ways and directed to Ayb's different programs, which serve the mission of building an independent and virtuous individual committed to values.





The Impact of Your Contribution



Arshak Zakaryan

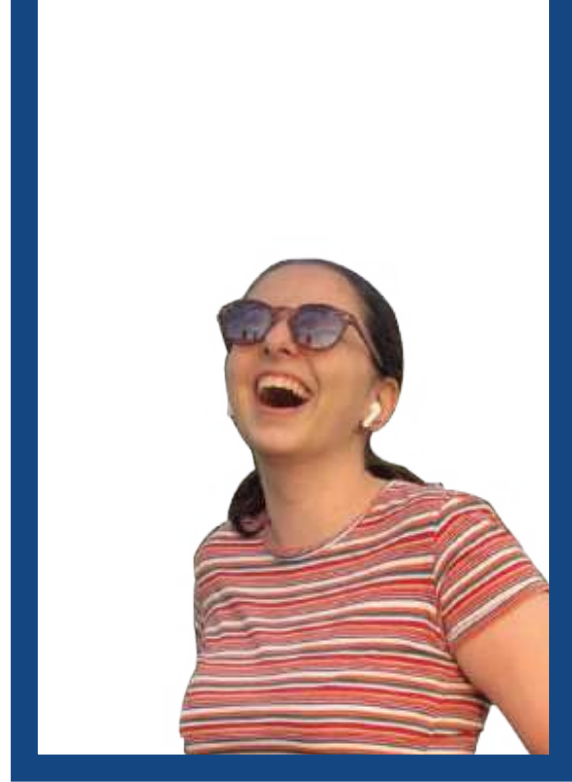
Alumnus of 2021



Benefactors' contribution is extremely large. It is thanks to them that the idea became a reality in the form of Ayb. It is due to their support that many students not only from Yerevan but also from marzes (I myself come from Aragatsotn) receive quality education. They combined efforts for work dedicated to the nation, which was not just the establishment of a school but a model institution that is constantly developing to fill the gaps and improve the learning process to become an Armenian school prototype.

Gayane Aydinyan

2021 alumnus



I cannot describe in words how much Ayb has changed me. The eight principles of the Ayb student have become an integral part of my daily life and value system. Thanks to Ayb I polished myself and created the ego that fights until the end.



Ayb High School is the first social project in the area of non-government education of the RA. The Ayb Educational Foundation raises funds through its programs, donations of individual benefactors and organizations, so that every student who is admitted to the Ayb High School is not dropped out due to financial issues.

The Ayb Educational Foundation gives all children of the Republic of Armenia, Artsakh and the Diaspora an equal opportunity to receive world-class quality education.



Within 10 years, the Ayb Educational Foundation
has reimbursed the tuition fees of
485 students
of Ayb High School by transferring
AMD 1 103 382 125.



In 2021, the Ayb Educational Foundation
transferred

AMD 80 012 742

to Ayb School for tuition fee reimbursement
(scholarship) of High School's students,

of which AMD 1 560 573

is for nominal scholarships.

176 students
(78.2%) received scholarships





Our benefactors make this important contribution in various formats.

Fundraising on the Occasion of Birthday Anniversaries

In 2021, Ayb relaunched the birthday fundraising format, through which the Ayb community manages to combine the fun, usefulness, and uniqueness.

How?

- On their birthdays, the community's representatives offer people to donate to the Ayb Educational Foundation for a better future of more and more children, instead of giving a present.
- By raising money, the friends of the persons celebrating birthdays not only make them happy but also become part of a great work, joining the Ayb community.



In 2021, five benefactors

celebrated their birthdays in the name of the Ayb
idea and collected more than

AMD 9 000 000

(from 143 participating benefactors), which is
directed toward the development of education and
the best future of Armenia.



David
Yang



Aram
Pakhchanyan



Ashot
Mkrtchyan



Artak
Hovhannissyan



Artur
Alaverdyan



Goodwill Dinner



The Goodwill Dinner charity project launched in 2017 is also aimed at raising funds for the scholarship. All the proceeds from the auction organized for a dinner-meeting with a famous and beloved person are directed to the tuition fees of Ayb High School's students.

This year,
AMD 925 700

was raised thanks to the Goodwill Dinner project.

Guests	7
Auctions	10
Benefactors	15
Restaurants	5





Guests of Goodwill Dinner meetings

Artavazd Minasyan

Co-founder of 10Web and of Krisp

Artur Abraham

Multiple world boxing champion

Arthur Lumen

Founder of Eat&Fit, photographer

Gevorg Poghosyan

Director of reArmenia collaborative platform, co-founder of Idram payment system, GlobalAM, and TCF

Irina Dumanyan

General Director of Siemens Industry Software CJSC, member of AmCham Board of Trustees

Karen Margaryan

Entrepreneur and restaurateur

Al Yesayan

Founder and director of IntelinAir

A New Format for Fundraising and Collaboration



In 2021, we held the first ever one-of-a-kind ForMath competition, introducing a new and very important fundraising culture. Companies with great professional experience come together in teams to try their hand at the platforms of Ayb programs and competitions as well as to jointly contribute to the multiplication of educational opportunities in Armenia.

This year, with the purpose to enrich the Armenian-language mathematics materials of the Armenian platform of Khan Academy and to ensure their free access, ForMath brought together organizations, mainly IT companies, that really understand the importance of mathematics.



The membership fees received during the registration phase were fully directed to the localization of high school math problems on the platform of Khan Academy.

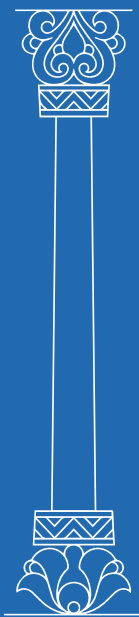
Amount collected:

AMD 1 300 000

We have already localized:

65 math videos

Localization work continues.





Participating Teams

Picsart | Krisp | SoftConstruct

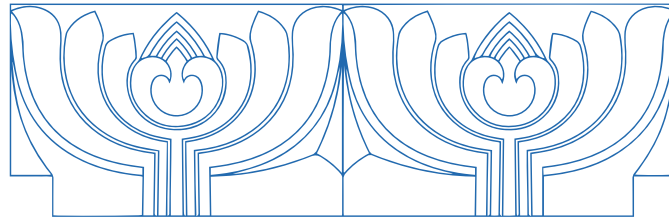
Armenian Code Academy


PMI | HiLearn | Ameriabank

ServiceTitan Armenia



Corporate Partnership





It is a great pleasure to cooperate with the Ayb Educational Foundation's willing, supportive, problem-solving team. It is important to have a similar organizations in Armenia, which aim at scientific and educational development and young people's guidance in the right direction.

PMI Science Scientific-Research Center

The establishment and the activity of the SolarOn company is based on the development and well-being of our country, which would be impossible without the development of education and science.

We have always highly valued the future generation's quality education and development of science. In this regard, we fully share our future-oriented vision with the Ayb Educational Foundation. In addition to the vision, we also emphasize all the practical steps implemented by the Ayb Educational Foundation. We have only positive impressions from the cooperation obtained over the years as all the events are well thought out and organized. In our deep conviction, they also have a tangible positive impact. We are deeply thankful to the entire staff of the Foundation.

SolarOn





As part of corporate partnership and social responsibility measures, the amount allocated to our educational programs equals to **AMD 19 380 667.**



TelCell | Profholod | Nairian
Rostelecom | SoftConstruct | Renderforest

Our Partners



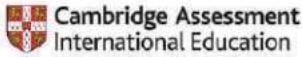
ՀՀ կրթության,
գիտության,
մշակույթի և
սպորտի
նախարարություն



ԱՀ կրթության,
գիտության,
մշակույթի և
սպորտի
նախարարություն



Տալուշի
մարզպետարան



LENTEX®

denovo
sciences

PMI SCIENCE
PHILIP MORRIS INTERNATIONAL

PMA
Project Management Advisory

GALAXY
GROUP OF COMPANIES

media
max

Telcell
WALLET

ԱՐՄԵՆԻԱ

SOFTCONSTRUCT

Rostelecom

STARTUP
FOUNDATION

ConverseBank

U!
com

PROFHOLLO

Foreign Language Institute of Ghent
FLAG
American University of Armenia
ՀԱՅԱՍՏԱՆԻ ԱՄԵՐԻԿԱՆ
ՄԱՍԻՆԻ ԱՄԵՐԻԿԱՆ
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AZAD

Թավրիգի հայրց
ազգային «Թամարյան-
Սահակյան» դպրոց

Luys
Լույս



Ռուսաստանի հայերի
միության Կրասնոդարի
երկրամասի կրթության
բաժին

SOLARON
CONNECT TO THE SUN

LOFT

indigo

Uteach

Organix

DOUBLE TREE
BY HILTON™
YEREVAN CITY CENTRE

Best Western
PLUS
CONGRESS HOTEL

YMMP

TRANSIMPEX



Reyma

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

Pro Bono:

New Culture of Partnership



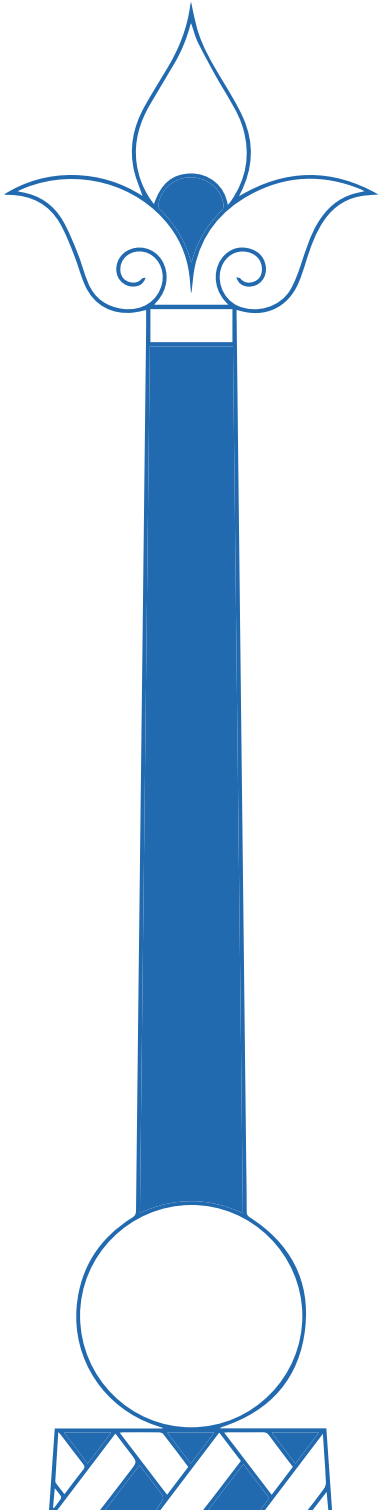
In terms of fundraising, the connection with our partners has been complemented with another format of cooperation, pro bono.

Pro bono (short for the Latin phrase "pro bono publico") partnership is a type of collaboration where two organizations find common interests of cooperation in the context of goals or strategies, invest their professional resources to support each other, and unite around one non-profit goal. When it comes to sponsorship, it is often believed that you give money and step aside, but in case of pro bono partnership, both organizations learn from each other and grow together, which is a very enriching experience for both of them. Such partnership is developing quite rapidly all over the world, and I am very glad that the idea of the importance of supporting non-profit organizations also develops in Armenia.

Sona Koshetsyan

Executive Director of the
Ayb Educational Foundation





Like-minded organizations that have participated
in our projects on a pro bono basis are:

- Indigo Branding Agency
- Blizzard
- Guru
- Darget Craft Brewery
- Yeremyan Academy of Culinary Arts and Hospitality
- Yeremyan Projects
- Zangak Bookstore Chains
- Zangak Publishing House
- Zigzag
- Epigraph
- Lentex LLC
- Honey.am
- Machanents Tourism and Art
- Mega Toys
- Munich Armenia
- Voskevaz Wine Factory
- Jellyfish LLC
- Little Einstein Science Museum
- MVF Band
- CITYZEN
- Vlume

Scholarship for Students of the Best Universities

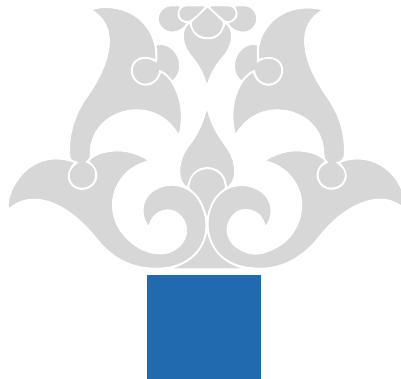
The program creates an opportunity for Ayb's graduates to continue their education at the best universities of the world and serve the acquired knowledge to the homeland.

As a result of the program, the amount allocated to scholarships is

USD 1.5 million.

During 2008–2022, the Foundation provided scholarships to

38 students of Armenia and the Diaspora thanks to targeted donations from individuals and legal entities.





2021 was unprecedented in terms of fundraising. We have raised

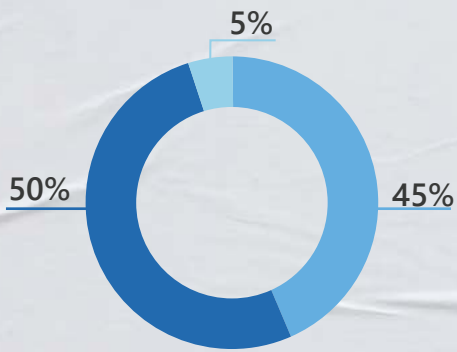
USD 1 385 456

for educational programs and development purposes. This year, the community of Ayb's benefactors and partner organizations had almost equal contribution to our programs.

We thank all our benefactors and supporters for sharing Ayb's ideas and investing in the future of the new generation.

Familiarize yourself with our benefactors here.





- Community | AMD 282 604 514 | USD 561 838
- Institutional | AMD 312 172 363 | USD 620 621
- Sponsorship | AMD 30 783 600 | USD 61 200

Institutional: for the years of 2021-2022

The percentage of the total expenses allocated to the educational programs:

88%

To administrative expenses:

12%

This indicator in the case of foundations ranges between 15 and 40% globally, with up to 20% considered to be the best one.

Compared to the year of 2020:

Funds for the educational projects implementation have increased by 14%:

AMD 389 149 527 624

USD 107 493 22

Funds for the Armenian-language content creation on Khan Academy's platform have increased by 67%:

AMD 55 546 233

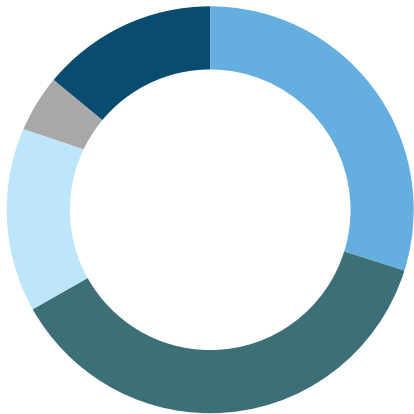
USD 110 386

The funds directed to the Ayb School's scholarship fund have increased by 47%:

AMD 82 002 881

USD 162 963





■
General school education sector reforms

AMD 129 476 681

USD 257 306 60

■
School programs

AMD 160 095 298

USD 318 154.41

■
Education with international certification

AMD 54 090 589.46

USD 107 493.22

■
Education at the best universities


AMD 22 546 184

USD 44 805.61

■
New skills for adolescents

AMD 59 986 180

USD 119 209.42

- 
- **General education reforms:**
Introduction of new education standards and legislative amendments
 - **School education projects**
School contests and Khan Academy's online education platform
 - **Internationally certified education**
Examination Center of the Araratian Baccalaureate; Ayb Hybrid Learning
 - **Education at the best universities**
Scholarships for those enrolled at the best universities abroad
 - **New skills for adolescents**
Basic life skills for adolescents; training courses for psychologists

Internal and external sources of financing educational projects



- Institutional and partnership financing invested by the Foundation
- Community donations
- - - - - Linear financing (institutional and partnership funding invested by the Foundation)

AMD 129 590 225

2019

AMD 10 998 053

AMD 142 601 703

2020

AMD 42 622 544

AMD 338 940 258

2021

AMD 232 662 273



Creativity
Progress

Ayb Competitions



Team Competitions

Tournament of Young Chemists

(since 2010)

Teams | **299**

Students | **1447**

Teachers | **>280**

Tournament of Chemistry Students

(since 2020)

Teams | **10**

Participants | **45**

WRO

(since 2016)

Teams | **74**

Participants | **210**


LegoStart

(since 2021)


Teams | **11**

Participants | **33**





Today the image of the world outlined in the supremacy of technology, engineering, natural and mathematical sciences shape our practical attitude toward nature, while the transfer of data to the physical environment conditions every component of our lives. Such a great relation between humans and science can change everything. Realizing the opportunities of science and technology and striving to prepare and educate a generation capable of carrying and managing this transformative power, the Ayb Educational Foundation implements a number of natural science and robotics team tournaments.



Tournament of Young Chemists



Ayb's oldest team tournament took place for the eleventh time this year and had 11 participating teams. For the first time in the history of the Tournament of Young Chemists, the team representing Artsakh was recognized as the winner. The Monteberd team's members of the Secondary School No. 1 of Martuni, Artsakh, were recognized as the best with their wonderful game and joined our great "chemical" community. Yerevan's Heratsi team took the second place, and Helium finished third.





The Process and Heroes of the Tournament

Gevorg Avanesyan

Captain of the Monteaberd team



Recognized as the Best Speaker and Best Opponent

Chemistry is the basis of everything. In the tournament, not only the knowledge of chemistry is appreciated but also the possibility of the development of critical thinking and debating capacities. This year, Monteaberd is the only team representing Artsakh, but I really want students from other schools of Artsakh to form teams and participate in the tournament.



Zohrab Boyajyan

Captain of Heratsi High School's team of the same name

Received the Best Captain award

Arousing interest in science is the main function and mission of the Tournament of Young Chemists. The victory is not the most expected moment of the tournament. I like the preparation process more when we distribute questions among team members and start doing research.

Oganesson team took the third place in the All-Ukrainian Tournament of Young Chemists

Participation in the Tournament of Young Chemists creates an opportunity for the Tournament's best teams to represent Armenia in the international, All-Ukrainian Tournament. Here, too, our children always perform successfully and come back with significant results.

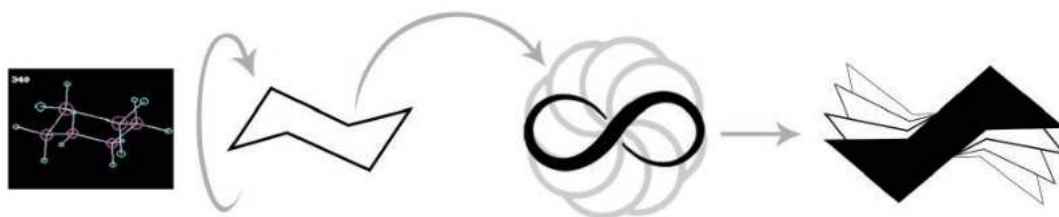
Being one of the absolute leaders throughout the game, the Oganesson team took the third place in the international tournament. Zohrab Boyajyan, Lilia Shegunts, Sona Sargsyan, Mane Kurghinyan and Ruben Khurshudyan, students of YSMU Heratsi High School, were part of the team. Sona Simonyan was the coach. Zohrab Boyajyan, captain of the team, was awarded with the Best Reviewer title.



The Tournament Has a New Logo



Tournament
of Chemistry
Students



History of the logo

The new logo is based on the structure of cyclohexane. Conceptually, it reflects the variety of solutions. The movement in the logo is our drive to create something new, while the Armenian symbol of eternity represents the importance of education as well as the interaction of the strong “chemical” community.

The logo’s blue color symbolizes, on the one hand, the solution’s concentrated color, and on the other hand, the young people’s desire for new challenges.



Tournament of Chemistry Students

Generation change and expansion of the “chemical” community

Since 2020, the Tournament of Young Chemists has found its logical continuation in a similar tournament for undergraduate students. In 2021, the **Olympus** team representing Yerevan State Medical University was recognized as the winner as a result of the struggle of five teams.



Movses Aghekyan

Member of the Olympus team
YSMU's second year student

”

Ayb's tournament of chemistry has been quite successful among schoolchildren and now among undergraduate students. Unfortunately, chemistry is one of the fields that is not in good condition in our country and needs some reforms and innovations. And here not only the representatives of the older generation but also we, the specialists of the younger generation, have a serious role to play.



Hayarpi Simonyan

Jury member of the Tournament
of Chemistry Students

The Tournament of Chemistry Students is a great opportunity for students, as they perform not only as learners but also as researchers. In addition to demonstrating their knowledge of chemistry, students learn to work in a group, make joint decisions, develop strategies, debate, review and argue.

Cheminformatics Bootcamp

The Ayb Educational Foundation, Denovo Sciences, and the Foundation for Armenian Science and Technology (FAST), with the support of Solaron, concluded the jointly initiated first Cheminformatics Bootcamp in the Republic of Armenia. The initiative aimed to make the students and researchers familiar with the fundamentals and tools of cheminformatics through lectures and practical work, drawing the attention of a larger number of specialists to the development of the field and its involvement in the programs of HEIs. The bootcamp allowed to bring together about a dozen novice specialists and students, to get acquainted with the branch combining data science and pharmaceutical chemistry. At the end of the program, the participants got the opportunity to present their project work, taking the path from research to the creation of their own model of medicine.



Lilit Tadevosyan

Trainer

Assistant at the Chair of Pharmacy,

Yerevan State Medical University named after M. Heratsi

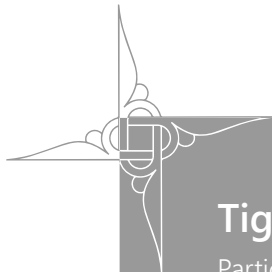


” Such programs are innovative in our country. This program will contribute to the development of the field and the discovery of new molecules. One day Armenia can join the ranks of the countries discovering new molecules, by developing cheminformatics.

The study of pharmaceutical chemistry requires serious basic knowledge, so the participants' preparedness is very important for the effectiveness of the courses. Condensed and project-specific targeting of bootcamp training makes the delivery of the material much more focused.

I would like our students to be able to work with all the programs learned here after the end of the bootcamp. And the greatest achievement for me would be to see them synthesizing drugs or discovering a new molecule.

”

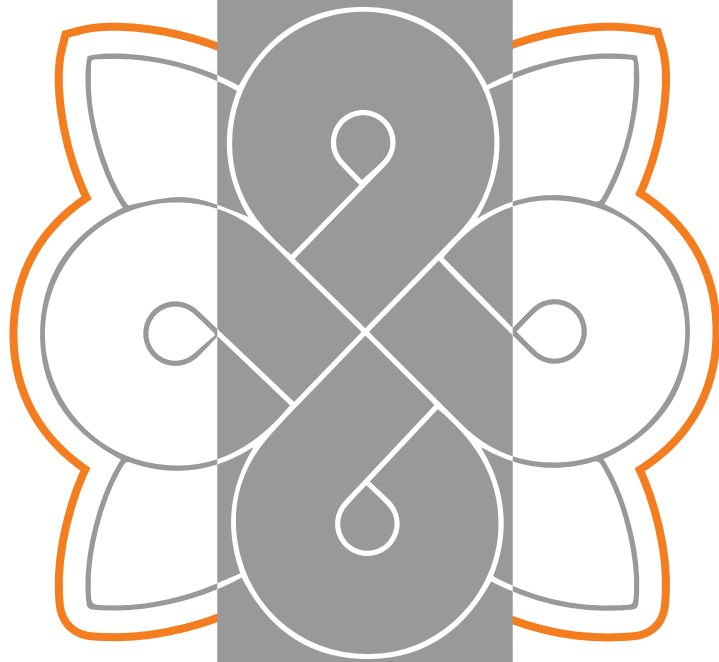


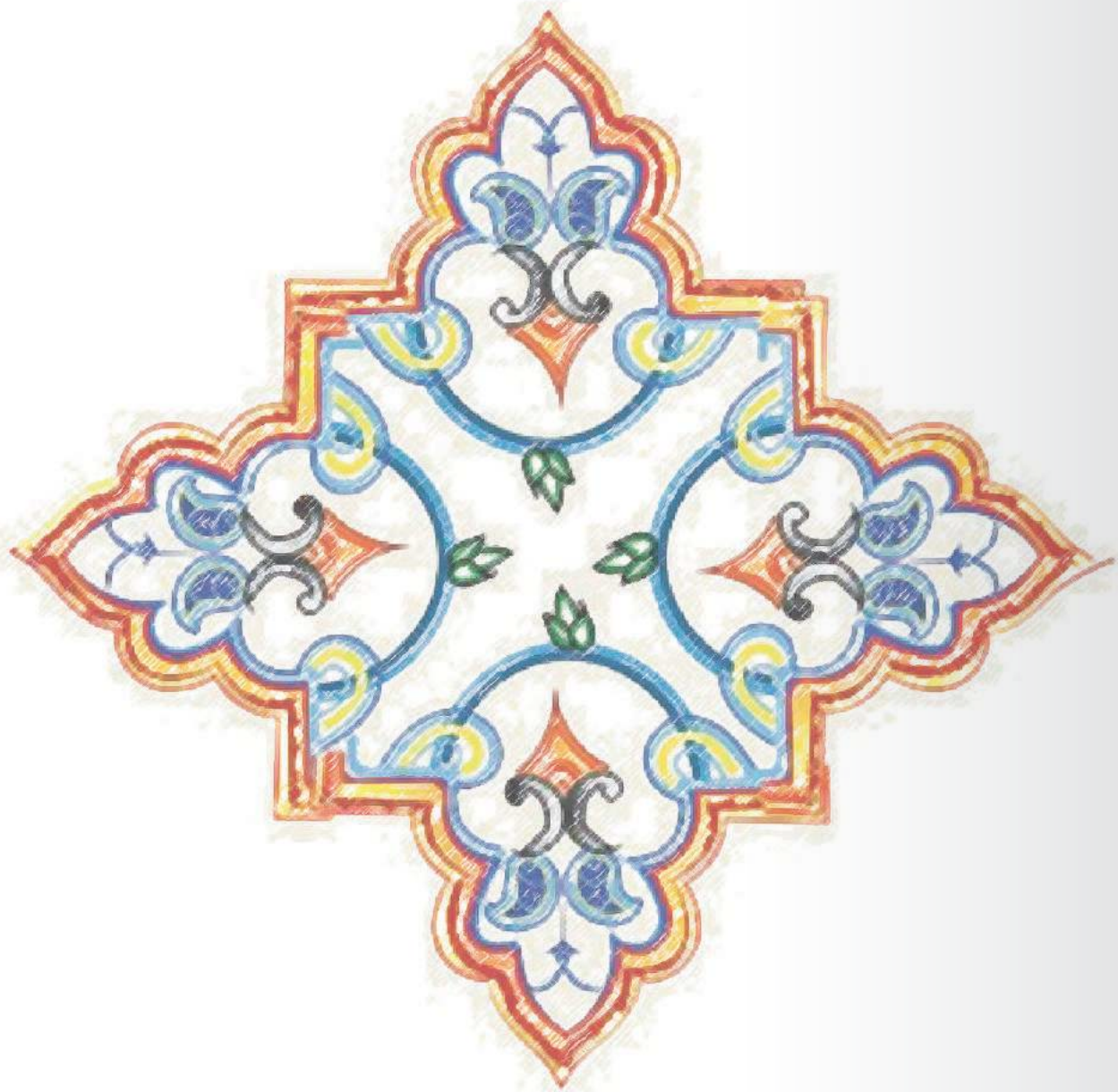
Tigran Tsaturyan

Participant of Cheminformatics Bootcamp



One of my first expectations is to gain knowledge. It is difficult to start alone in this field without the support of specialists. The bootcamp allows you to get a clear idea of the application of cheminformatics in the RA, and the importance of this branch of science. If I were to define cheminformatics myself, I would say that its goal is drug synthesis. Of course, cheminformatics also has an industrial application, but the primary role remains drug synthesis. We saw a vivid example of this during the creation of vaccines against COVID-19. Thanks to today's digital capabilities, and in terms of time, it gave a relatively quick and good result. Digitization and the application of programming allow to facilitate the drug synthesis, save the time and resources necessary for their creation, find all the necessary raw materials, and understand the necessary conditions.





LegoStart

In 2021, for the first time, the LegoStart competition for those taking the first steps in robotics was held. It is a good start especially for regional novice teams, to prepare for the World Robot Olympiad. Eleven teams got the opportunity to develop their skills and measure their strength in a more experienced environment. The teams represented Syunik, Kotayk, Tavush and Shirak marzes and the capital Yerevan.

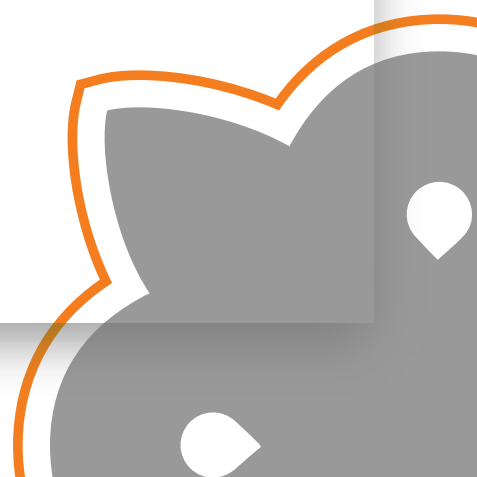
The tournament was held in three age groups:

The Nav was the best team in the elementary age group;

Gazprom 4 was the best in the junior age group;

Mush was the best team in the senior age group.

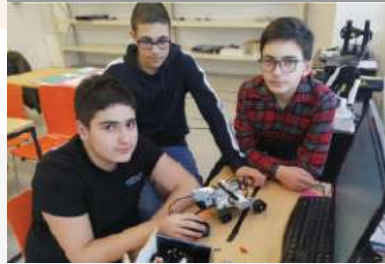
LegoStart has a thematic orientation. The solutions developed by the teams aimed to make pandemic situation and natural disasters more manageable, mitigating their consequences.



Where Does the Love for Robotics Come From and Why Participate in the Tournament?

Gazprom 4

Arsen, Kristian and Vardan



We are very happy that we won. I like robotics because I understand something better when I make it with my own hands. It was not difficult to win, as we had started preparing for the competition several months before. I even came a few hours earlier to the robotics classes every day, and all that was left was to show our knowledge well on the day of the competition. Apart from that, after the first round, we became very confident in our strength.

Arsen

I was slightly anxious because it was the first competition, but in the process my anxiety was completely gone because we were a team and helped each other. I dream of creating a robot that will help people with limited abilities and make their lives comfortable.

Kristian



DCS team, Dilijan Central School

We learned about the competition from our teacher and decided to participate because we love robotics. In our opinion, teamwork is a very pleasant activity. Each of us took our favorite function and started to work.

Each member of our team is equally creative; we love to plan, have fun and eat together. We want to create a robot that protects against atomic bombs and radiation. We will name it Antiatom. If we win the LegoStart 2021 competition, we will order 60 pieces of pizza, 100 bottles of Coca-Cola, 10 boxes of compote, and clowns.

World Robot Olympiad



The World Robot Olympiad Association congratulates the Ayb Educational Foundation with its 15th birthday. At WRO we believe that children can develop valuable skills in a fun and engaging way. We have chosen robotics for this purpose, and we are happy that Ayb has been a part of our worldwide robotics competition since 2016. Ayb shares the vision of WRO that participation in this competition is not purely about winning. It is about mastering new skills and having fun. And it is about how much you learn during the journey. For Ayb Educational Foundation we wish that they will continue their journey to transform education in Armenia for many years to come. And during that journey WRO would be honored to stay one of their travel companions.

Mr. Claus Ditlev Christensen

WRO Secretary General

Ms. Karen Beelaar

WRO Program Manager

The number of teams participating in the national round of the World Robotics Olympiad is increasing each year. This year, 17 teams of students aged 8-19 participated in the Olympiad in four competing groups. For the first time the novice teams from marzes—which had already gained some experience thanks to Ayb's another robotics competition, LegoStart 2021—were provided with an opportunity to participate in the Olympiad.

This year's theme was PowerBots — The Future of Energy.

The main challenge of the teams was to perform tasks directed to the use of renewable energy.

The winning teams of the national round of WRO 2022:

In the WeDo age group:

Mind Center WeDo 1

In the elementary age group:

YeLo Robotics

In the junior age group:

Mind Center Junior

In the senior age group:

**PhysMath team of Physics and
Mathematics Specialized School
named after A. Shahinyan**

From the National Stage of WRO to the International Platform

The PhysMath team of the Physics and Mathematics Specialized School named after A. Shahinyan especially pleases with the results. In 2021, juniors were awarded a gold medal at the Roboart-2021 held in Voronezh, and their smart greenhouse was recognized as the winner at the Digicode 2021 Programming Olympiad. After winning the national round, the PhysMath-Armenia team represented Armenia in the WRO International, competing with around 200 teams from 65 countries.



We love all our works, each in its own way, but we especially like the pianist robot, during the preparation of which our group members were able to combine art and robotics. By working well, it is possible to create everything from automated factories and service centers to military equipment. We hope that in the future we will be able to develop our country and bring it to a high level in the IT sector.

What kind of robots do kids want to build?

Participants of the competing elementary group



Fly Bots team engineers: *"To change the world, we want to create robots that clean the planet Earth. And for Armenia, we want to create such a robot that will be able to protect the borders of the homeland."*

Rey team: *"We attach importance to the teamwork. We all love mathematics and approach to new problems with great interest. We want to create a robot that will be able to destroy viruses in the air before they can harm people's health."*

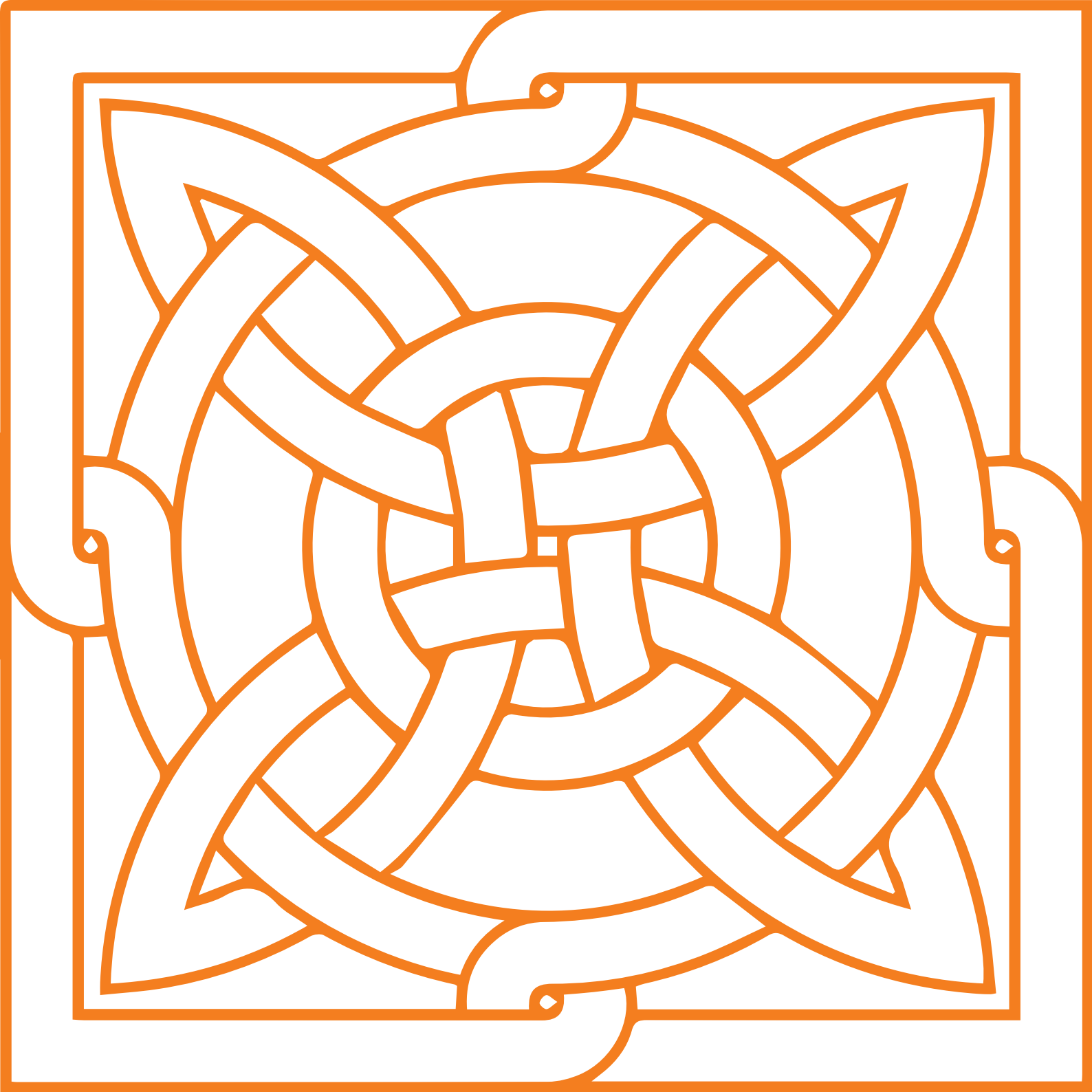


GitToon team: *"We think that teamwork is more effective and enjoyable. We like to play football and chess and we want to create such a robot that will have an almost perfect country management program for the ensurance of the country's prosperity, security and improvement of people's lives."*



Mass Contests, a Massive Educational Movement

Ayb's mass contests, [Meghu](#), [Kangaroo](#) and [Russian Bear Cub](#), have evolved over the years into a unique educational movement that brings together the fans of math, Armenian and Russian languages. Our contests unite not only the students interested in general education subjects but all those who try to logically resolve the puzzles offered in our competitions.



Mass Contests

Kangaroo
Participants | **437 000**

Russian Bear Cub
Participants | **75 000**

Meghu
Participants | **222 000**





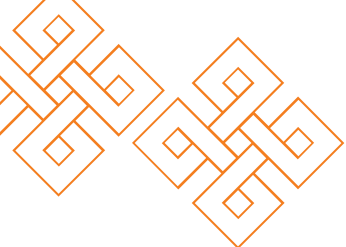
Dr. Meike Akveld
President AKSF



”

Ayb has managed to transport the idea of Kangaroo – to popularize mathematics for all – into their country and reaches out to many Armenian children. Every year the children of Armenia share the beauty of our Kangaroo problems with around 6 million children worldwide and thereby are part of an international event which knows no borders and connects through the language of mathematics. We wish Ayb to its 15th Anniversary health, peace and happiness and to keep up the good work they have been doing so far!

”



The Teachers' Role

Each year, during the organization of mass school contests, the Ayb Educational Foundation brings together not only thousands of students but also teachers. So in the summer of 2021, Ayb organized an award ceremony for the teachers whose students won or scored the highest at the Kangaroo and Meghu contests. The event was a pertinent opportunity to not only summarize the contest results together with our partner teachers but also discuss new educational reforms and opportunities.

While holding in high regard each project participant teacher's role and contribution to the field of education, we also attach great importance to the creation of a strong teacher community and to their aspiration to jointly achieve great results.

A number of entertainment events were organized throughout the year for our contest participants at Yeremyan Projects, Machanents Guest House, Zangak Publishing House as well as Komitas Museum-Institute.



In 2021, the Kangaroo competition had:

Participant students | **5000**

Winners | **3**

Best results | **190**



Meghu for Diaspora children

In 2019, the Ayb Educational Foundation launched the process of internationalization for the Meghu Armenian language contest. The contest was held in Georgia, Iran, Russia and the US for the first time. Via internationalization and going online, Meghu aims to promote the Armenian language among the Diaspora children, make the event a celebration and unite the present and future generations of the Armenians around their mother tongue.





More than **1000** Diaspora children
have joined the contest since 2019.

Online meetings have been organized with the Diaspora children as part of the contest to talk about Meghu and its importance for children.



Tatevik Adamyan

Head of Contests Department at the Ayb Educational Foundation

”

Ayb contests are not only about competing in knowledge; one learns and develops skills and a new mindset at these contests. The contests not only allow to assess the students' knowledge but also boost to a new level their time management, professional orientation and logical thinking skills. We are going to employ all means to make the most of the internet and modern technologies for education and mass contest development.



The Contest Through the Eyes of Parents and Students

Nona Martirosyan

Mother of Tigran Barseghyan,
a best-scored student at Meghu and Kangaroo

I think Ayb's contests are important because they develop the mental ability and logical reasoning, offer non-standard problems and help the kids to manage their time efficiently. These contests inspire the students to strive for more and improve their own results year by year. Migrating the contest to an online platform has been beneficial, and Tigran was able to take part in the contest in a more relaxed atmosphere.

I would advise other parents to encourage their children to definitely participate in Meghu and Kangaroo, and to take both their success and failures easily. What matters is whether the child has made progress. So, compare their result to that of the previous year, not those of other participants.



The Meghu—Armenian for Everyone Game-Competition for the Media; **Mediabuzz**

In 2021, the Meghu contest was organized in a new, media-tailored format for the first time.

The goal was to thoughtfully bring together the media with a leading role in preservation and promotion of the Armenian language, and to inspire children.

The following six media with their 3-member teams took part in the contest:

- Hetq Newspaper (winner)
- Armenpress News Agency
- Mediamax News Internet Newspaper
- Azatutyun Radio Station
- Sputnik Armenia Agency
- Aravot Daily



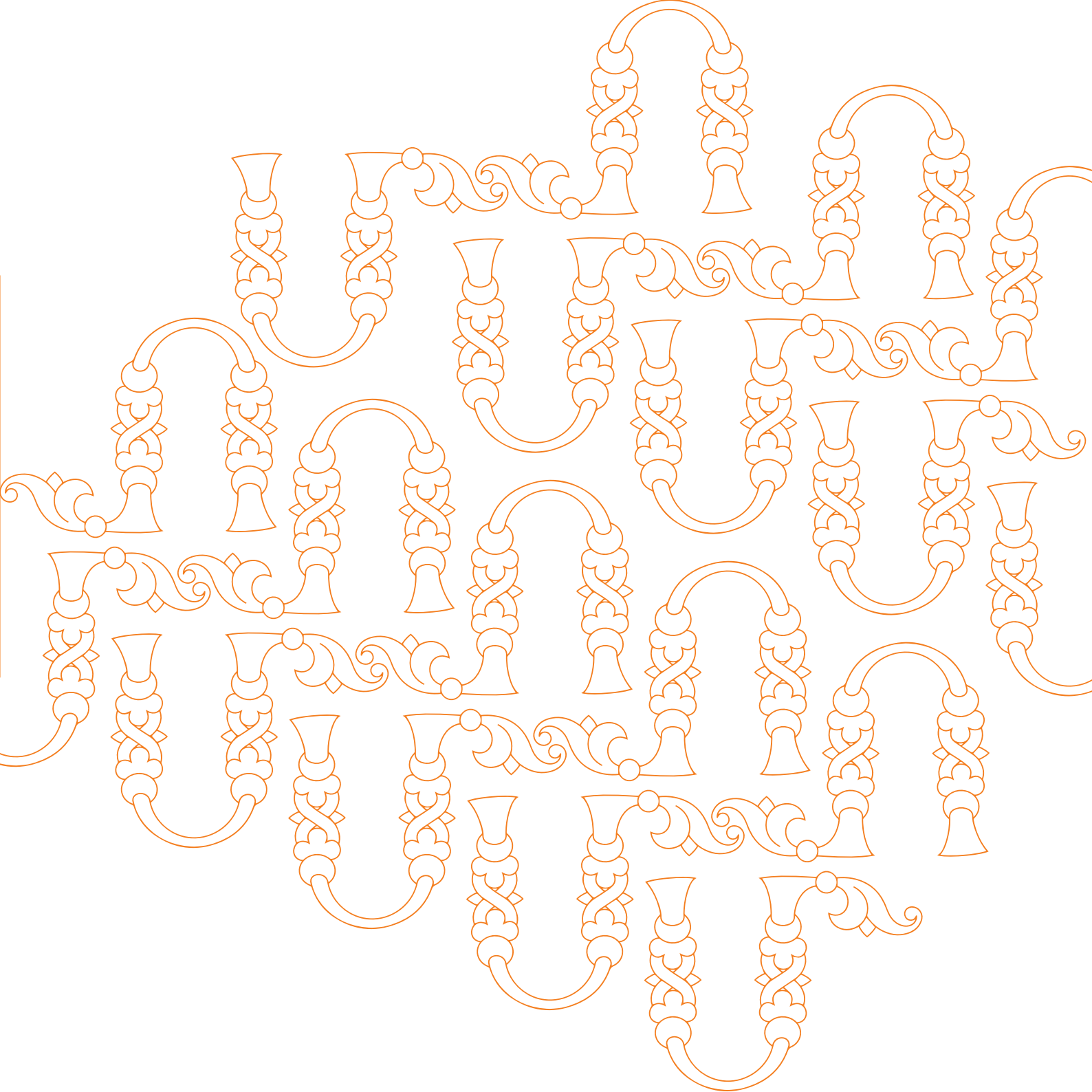
The contest was held in two phases:

1st phase: classic Meghu on test.contests.am

2nd phase: quizz on linguostylistic issues

The media-tailored game-contest was held at Ayb School, as part of the series of events dedicated to the 15th anniversary of the Ayb Educational Foundation. We initiated this joint educational project with our media partners due to the growing number of readers of educational materials in recent years, and the support and role of the media highlighting our educational projects.





Khan Academy Armenia

For Equal Education Opportunities



The localized Armenian version of Khan Academy enables thousands of our children and teachers to make a free use of a rich selection of modern educational materials.

Since 2017, to ensure equal education opportunities for everyone, the Ayb Educational Foundation has undertaken to localize the materials of Khan Academy, the world's biggest online educational platform, and make this online storage of quality and free educational materials available in the Armenian language.

Learners	47 583
Teachers	11 100
Parents	4330

YouTube subscribers	13 400
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Views on YouTube	>1,9 million
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Minutes of study on the platform	>35 000
----------------------------------	---------

Average number of daily users of the platform	670
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Videos and exercises are available in the following sections on the platform today:

- Mathematics**
- Science**
- Biology**
- Chemistry**
- Physics**
- Career and More**
- Arts and Humanities**
- Talks on Blended Learning**
- Khan Academy for Teachers**
- Test Preparation (SAT in English)**

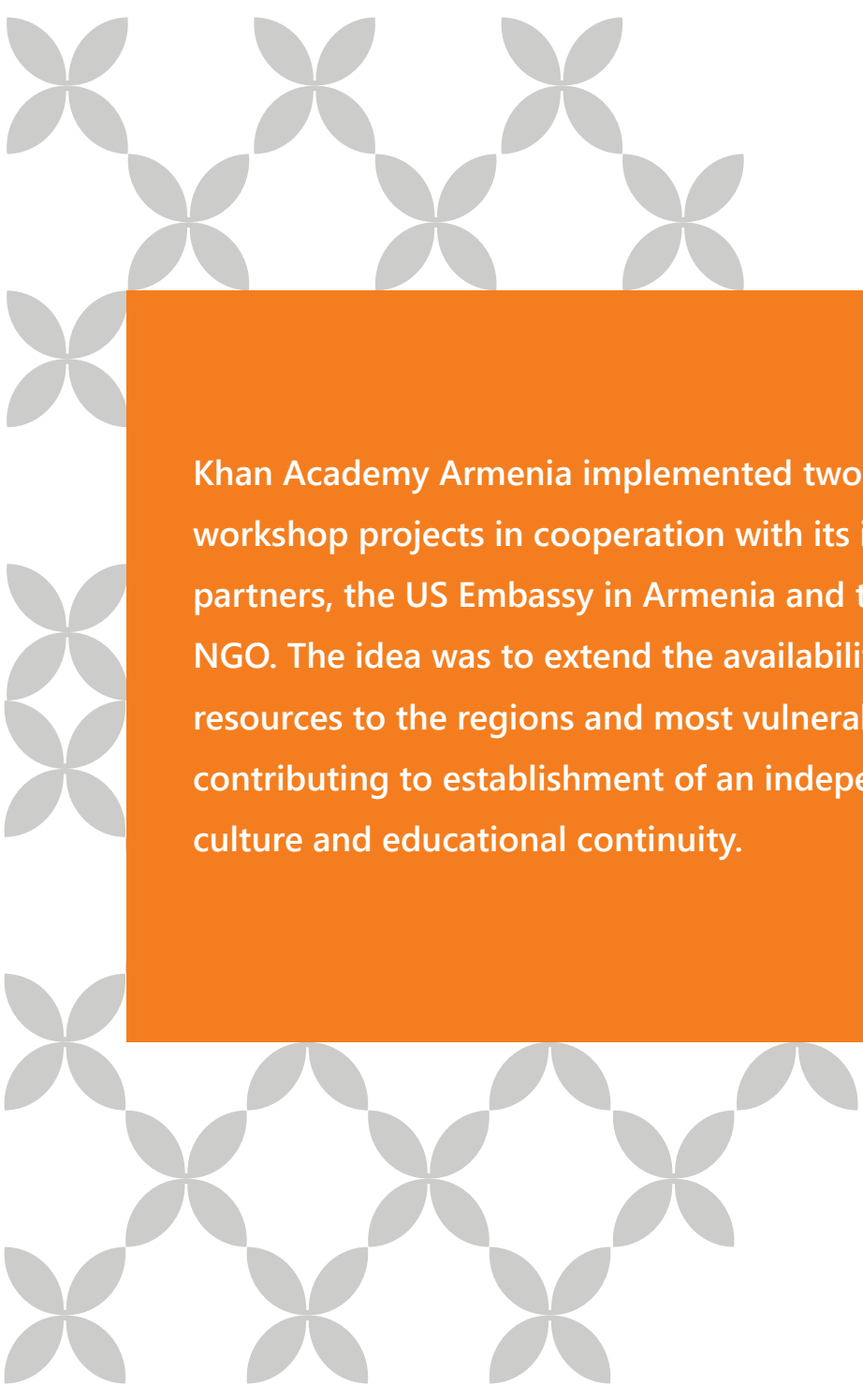


Anna Berns

Khan Academy International

Khan Academy is very happy to have collaborated with the Ayb Educational Foundation as our language advocate for Armenian since 2017. By leading the translation/localization efforts of Khan Academy content into Armenian, and managing outreach and training with teachers, schools, and other potential users, they are bringing free educational resources to thousands of learners in Armenia. We are extremely fortunate to have the Ayb Educational Foundation as part of our international language advocate community and are proud of the impact their work has had, and will continue to have, on education in Armenia.

On your 15th anniversary, we wish the Ayb Educational Foundation another 15 years of incredible work!

A decorative border of light gray, stylized floral motifs (resembling four-petaled flowers) is arranged in a zig-zag pattern along the top, left, and bottom edges of the page. The central text is contained within a solid orange rectangular box.

Khan Academy Armenia implemented two large-scale workshop projects in cooperation with its international partners, the US Embassy in Armenia and the People in Need NGO. The idea was to extend the availability of online resources to the regions and most vulnerable groups, thus contributing to establishment of an independent learning culture and educational continuity.

Workshops in Gyumri Organized with Support of the US Embassy in Armenia

The Ayb Educational Foundation implemented an important project in the field of natural sciences in Gyumri, via organizing workshops for teachers and learners. The workshops and extension of Khan Academy's subject list became possible owing to the US Embassy's financial support. As a result, a new opportunity for scientific and technological progress has been created.

864 681 words and 918 videos were localized:

Physics	374 videos
Chemistry	396 videos
Biology	148 videos



The results of the student contest were also summarized. In order to win, one had to score **500 000** on Khan Academy's online platform.

There were **5 winners**.

The most inspiring aspect was that the winning students had scored close to the threshold of 3 million.



US Ambassador to Armenia Lynne Tracy's Message

I am thrilled that the US Embassy has been able to support Khan Academy's localization project being implemented by the Ayb Educational Foundation. Investment in the field of education is particularly fruitful when directed to a sphere that can serve the country's growth and prosperity. The US investments in Armenia in STEM direction do serve this goal. Our support extended to the localization and translation efforts of the Khan Academy's educational resources in physics and chemistry emphasize yet for another time our commitment to create educational opportunities in Armenia. Over the past year, we witnessed a demand for quality online resources and recognized the teachers' instrumental role in resilience to challenges and development of flexible solutions. We are proud to have had our input in improved accessibility of the educational resources for the teachers and students across Armenia.



2 000 000 scores in 2 months



Nvard Minasyan

Participant of Khan Academy's workshop in Gyumri

I am mainly studying algebra, geometry, chemistry, physics and English on Khan Academy's Armenian-language platform. It's very convenient to study this way because you can watch any video as many times as you need.

A Series of Free Workshops in Lori, Shirak and Kotayk Marzes

In pandemic and war-induced conditions, Khan Academy Armenia was the first to offer support to the teachers and students of Armenia, thus increasing the number of registered users by 200%. The platform's free resources in the Armenian language help to ensure the continuity of education, and this proves the inevitability of the combination of online and offline educational spaces in the modern world.



In September 2021, Khan Academy Armenia initiated a series of free workshops for teachers and students in Lori, Shirak and Kotayk marzes.

The initiative is implemented as part of the Covid-19 Solidarity Program for Eastern Partnership carried out by the People in Need NGO and funded by the UN.

Why Lori, Shirak and Kotayk?

To ensure the largest possible number of beneficiaries, the workshops were conducted in the three marzes of Armenia that have the greatest number of schools, students and teachers, second only to Yerevan, and have hosted the greatest number of the displaced following the 2020 Artsakh War.

By April 2022, 1500 students and 150 STEM teachers from middle and high schools in three marzes will be involved in the project.



| A Teacher About the Platform

Donara Grigoryan

Ambassador of Khan Academy

Principal and math teacher, Urtsadzor School

I've always attached great importance to Khan Academy both as a teacher and a parent, and have regarded it as a great platform for self-development. I found answers to many questions there. In fact, it has become the most applicable electronic platform for me. I advise my students to use Khan Academy's YouTube channel, in particular. In case you need to revisit anything from last year, the channel is always available. I am pleased to see that my students have already become quite skillful and autonomous at searching and being able to use the required resources.

I think that the support enabled by such a useful, easily applicable and accessible platform in the Armenian language as Khan Academy is efficient for any teacher.

Other online and offline sessions

Training for the teachers trained in Tavush 2
Participants 26

Training for Khan Academy's teacher community 3
Participants 75

Training for the ambassador teachers of Teach for Armenia 2
Participants 23



Khan Academy Armenia's voice; the localizers

Owing to them, we have numerous materials in the Armenian language



Sofi Elizbaryan

Voice recorder of Khan Academy's audiovisual materials on chemistry, YSMU, 1st year student

Since young age, in addition to school education, I have been studying via Khan Academy's videos, to which I partially owed my success in olympiads. Now, I am pleased to contribute with my knowledge and efforts to the development of Khan Academy. I am going to make videos on organic chemistry, and I really appreciate the fact that free quality educational content is eventually being created for all our children.







Ayb School

Academic Year of 2021-2022

Ayb School has an exclusive role in the education system of Armenia. Unique educational technologies are developed here on the national basis, and the best practices of modern education are piloted. Ayb School is a non-profit and non-commercial entity and operates as a foundation. The school's governing body is the Board of Trustees represented by the school alumni and teacher communities.

In the academic year of 2021–2022, Ayb School had **478** students

162 in high school

162 in middle school

154 in elementary school

- AGBU Vahe Karapetian Center provided dormitory to 23 students from Tavush, Vayots Dzor, Shirak, Gegharkunik, Kotayk and Ararat marzes.
- Eleven project-based learning clubs were established and launched.
- This academic year, the Aybapatum project (exchange visits between the RA regional schools and Ayb School) was held with the schools of the following communities: Nerkin Tsaghkavan and Nerkin Karmiraghbyur in Tavush marz, Zarithap in Vayots Dzor marz, and Gegharkunik in Gegharkunik marz.



The new composition of the Board of Trustees of Ayb School was established. It launched its activity on December 1, 2021, with an effective term until November 30, 2023.



Ruben Harutyunyan

Chairman of the Board of Trustees of Ayb School
Founder and Chairman of HENDERSON Fashion House

Members of the Board of Trustees of Ayb School



Ashot Mkrtchyan

Executive Director of Visa Concord



Arsen Galstyan

General Director of Tashir Medic Investment Company



Artavazd Minasyan

Co-founder of the Krisp and 10Web startups



Davit Pakhchanyan

Co-founder of Ayb School and the Ayb Educational Foundation



Irina Geyko

Executive Director of the Vem Educational and Cultural Foundation



Lilit Minasyan

Social sciences subject group leader,
history teacher, Ayb School



Sargis Badalyan

Founder of Luys Barry



Tigran Harutyunyan

Founder of the Mikshin Construction and Manufacturing Organization



Vasken L. Yacoubian

AGBU Armenia President



Rimma Ananyan

Chair of Ayb Alumni Club

In Memoriam

The gym of Ayb School's Building C was named in honor of Levon Hovsepyan, a 2020 graduate who fell during the 44-day war in Artsakh.

A tree-planting ceremony was organized in the school yard, in loving memory of Samvel Dovlatyan and Viktor Akulyan, Ayb friends, donors and dear mentors, followed by an evening memorial ceremony with participation of their students.







Achievements



- At the 17th Rolan International Festival for Children and Youth, the Audience Award was given to Ayb School's project-based learning Film Factory club for "Artsakh; a Three-Voice Struggle" film series.
- Aram Barseghyan and Ksenya Muradyan, 12th grade students of Ayb School, presented their books on the 44-Day Artsakh War. Aram wrote a book titled "The War of the Immortals," while Ksenya titled hers "War and Love."
- Ayb School received a certification from CNN for joining the #CallToEarth global environmental campaign.
- 12th grader Meri Bareghamyan won in the world-renowned Global Atomic Quiz International Educational Contest that brought together around 11 000 participants from 70 countries.
- 10th grader Lili Tovmasyan won the first place in the pulling exercise of the Armenian powerlifting championship among girls in the weight category of 44 kg, with a result of 80 kg.



- Karen Hovhannisyan, physical education teacher of Ayb School, won a gold medal in the European Powelifting Championship in the 40-49 age group category.
- Ayb's elementary, middle and high school students took part in athletics competitions at QSI International School. The students returned with a dozen medals.
- 12th grader Emma Hovsepyan took the first place in the Youth Literary Competition.
- Ayb School was included in the top 10 list of the Earth Prize Competition, having competed against 516 schools from 114 countries. Students Ilya Lalazaryan, Nane Yengibaryan and Meri Shushanyan, under the supervision of their teacher Lilit Hambardzumyan, presented Armenia in this world-famous environmental and educational competition.
- 4th grader Margarita Ter-Grigoryan was awarded as the best reader of the Children's National Library named after Khnko Aper in 2021.



Award in the 17th Rolan International Festival



RenéMask

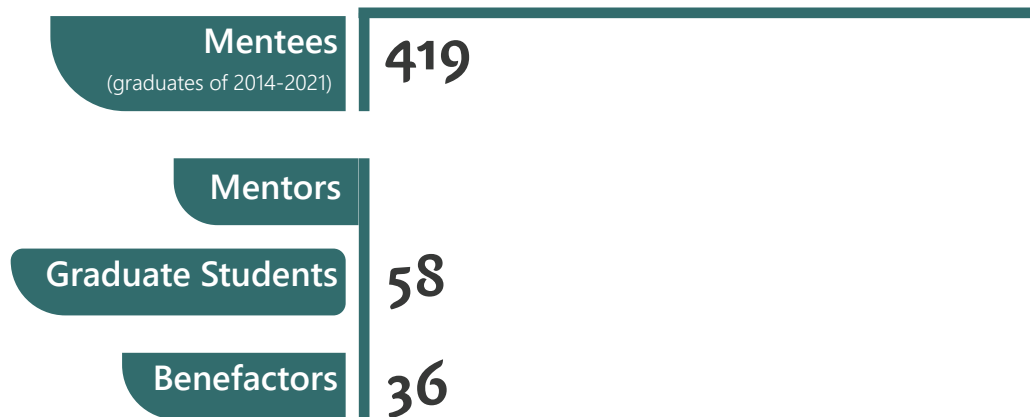


Athletics competition at QSI International School



The objective of Ayb's Mentorship Program is to create a strong chain of mutual assistance among the generations and to contribute to personal and professional development and transfer of values from one generation to another. As part of the program, a member of the Ayb community voluntarily assumes the obligation to act as a mentor for Ayb School graduates until the latter reach 25 years of age.

Ayb's Mentorship Program





Steve King

Senior Education Advisor: Central Asia, the Caucasus and Bangladesh

Cambridge Partnership for Education

For me, learning from the people at Ayb and having the benefit of listening to their local expertise and ambitious plans for the future has been the main pleasure. I have heard Ayb Foundation people speak incredibly articulately about curriculum, assessment and teacher training in contexts beyond what happens in Armenia, and it is clear to me that the Foundation has become an organisation whose influence can reach beyond the borders of the country.

I would very much hope that Ayb can begin to work on projects outside of Armenia, in order to spread its expertise further. This could include working with Armenian diaspora schools in Russia or elsewhere, or it could be leveraging its educational expertise into development projects. I hope that some of this work can be done in partnership with Cambridge Assessment.



Dilijan
Central
School

Today, Dilijan Central School is a center for various educational initiatives not only in Dilijan but also across the marz. It provides the learners with a unique opportunity to create and innovate, particularly in the fab lab, an open space for educational and scientific experiments and idea implementation. The mission of Dilijan Central School is to be a role model of a leading and innovative educational institution for other schools in the marz. Dilijan Central School belongs to the Ayb Schools' family and was established in cooperation with RA Central Bank.

133 students study at Dilijan Central School:

56 in elementary school

77 in middle school



Achievements

■ **Labbox Project**

Labbox is a community project of Dilijan Central School. This year, it was implemented in cooperation with Dilijan general education schools.

■ **Art Exhibition**

An art projects exhibition was organized by Dilijan Central School at Dilijan Geological Museum. The artworks created by the students throughout the year in scenic art, fine arts, design, and music were presented.

■ **Projects Exhibition**

In the academic year of 2021-2022, projects for different subjects were implemented. The students presented their projects in the format of eye-catching posters, billboards, brochures and videos on the process of scientific experiments and other activities.

■ **Meghu 2021**

Andreas Avinyan, a 6th grader from Dilijan Central School, had a best result at the competition.



Labbox project



Art projects' exhibition



Robert Beglaryan,
participant of the
Republican Olympiad

■ **Koriz**

In Koriz finals, Dilijan Central School was represented by 6 students.

■ **Results of the Republican Olympiad**

DCS students Robert Beglaryan (9th grader) and Aren Papyan (6th grader) were awarded appreciation certificates for their participation in the Republican Olympiad on Russian language and mathematics respectively.

■ **Chess**

Dilijan Central School took the first prize at the Chess School Olympiad in Dilijan.

■ **Legostart**

21 students within 7 teams participated in the robotics competition.

Cooperation with Other Entities

- Debed Secondary School
- COAF Smart Center
- Evrika School
- Dilijan Community Schools
- Armav Center



New Initiatives

■ Introduction of a mentorship program and integration of inclusive education

This year, the school created an opportunity for the teachers to apply for the mentorship program implemented in cooperation with Armav. A mentors' group was formed, which together with Armav Center organized sessions, discussions, mutual class auditions and seminars for the interested participants. In the upcoming academic year, the mentors' group will be involved in mentorship activities. The mentorship program is one of the components of integration of inclusive education.

■ Making robots with fab lab

The 7th graders made a robot and programmed it in three languages together with the fab lab.



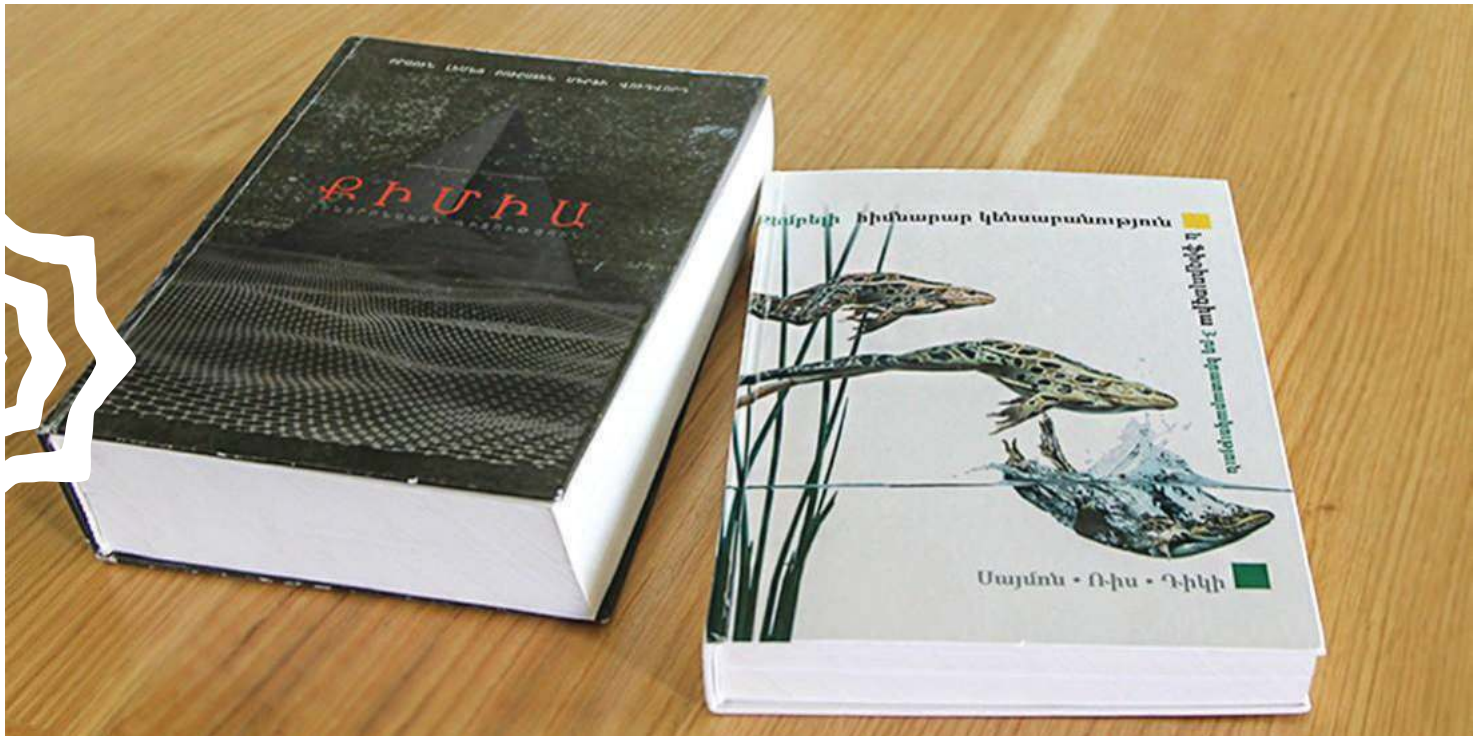
Mentorship Program



New Cooperations

A Memorandum of Cooperation was signed between the Ayb Educational Foundation and MoESC

According to the memorandum signed between the Foundation and the ministry, the electronic versions of four international textbooks translated into Armenian will be provided to the ministry.



Galaxy Group of Companies and the Ayb Educational Foundation will jointly implement new projects in the field of education

The parties have signed a memorandum of cooperation for joint activities on youth development, business and entrepreneurship education, startups and idea management.



Cooperation with Telcell

The Ayb Educational Foundation organized its massive school contests with financial and technical support from Telcell, its new partner.

Since the competitions are organized online, it is now particularly important to ensure equal participation opportunities and respective technological solutions for all the children.



Michael Yan's success formula; a conjurer, a psychologist or a successful startupper?



Our guest speaker Michael Yan, co-founder and director of ManyChat, talked about a number of topics, ranging from his profession choice to useful books and successful teamwork tips, as well as the privilege to be the son of David Yang, Ayb's co-founder and artificial intelligence guru.


Talks on Education in a New Format

In 2021, **AybPod**,
the first program series on educational podcasts,
was broadcast.

Twice a month, we discuss, analyze, and invite experts to talk on some education-related topic, share success stories and innovation news, and try to prepare for the upcoming challenges. We talk about key education-related matters and help those interested in the field to create their quality audio space.



United by the Idea;
Ayb Community



The word “community” stands for more than mere unity for Ayb. It is our success model, our unconditional trust towards one another and shared responsibility which we have voluntarily assumed in pursuit of a dream and aspiration to change our country for the better through education.

“Community” is a synonym to the unity around our common values and a guarantee for a generation change ensuring the continuity of Ayb’s idea.

Over the years, the idea has evolved into a mission and a large-scale movement. We are definite that the movement led by bright individuals will continue to yield system amendments and set new development benchmarks.

The Board of Trustees (BoT) is the senior governing body of the Ayb Educational Foundation and is responsible for strategic guidelines. It is led by the BoT chairman.

The BoT chairman and other members are not considered position holders at the Foundation and fulfil their duties on a pro bono basis.



Composition of the Board of Trustees and Term of Office

The BoT's term of office is 2 years.

The BoT has 7 members and is formed from 3 groups.

The chairman is elected by the majority of votes.



The idea of continuity lies at the basis of Ayb's development vision. It's greatly inspiring that the people whose dreams gave rise to and extended Ayb's educational movement continue to multiply their heritage and be involved in the BoT. Their contribution is not so much financial as value-based.



In December 2021, the BoT of the 9th convocation of the Ayb Educational Foundation was established.

Current Board of Trustees:



Aram Pakhchanyan

(Chairman)

Co-founder of Ayb, Deputy

Director of ABBYY





Artak Hovhannisyan

IT specialist, Business Development
Director at EPAM



David Yang (representative: Tigran Bunarjyan)

Co-founder of ABBYY, iiko, Yva.ai,
Plazius and the Ayb Educational Foundation



Arthur Berd

Co-founder of Ayb,
Executive Director of General Quantitative



Kharen Musaelian

Co-founder of Ayb,
investments and risks expert



Karo Sargsyan

Businessman,
Founder of Spetstorg



Tigran Harutyunyan

Founding Director of the Mikshin
construction and manufacturing
organization

Competitions Department



Ayb People

Կրթական և մշակութային
աշխատանքները հանգանակում
և սրբաբանում



Fundraising Department

Չբացարձակաբար կեց
արդիւնէ շնորհաւ
հարստի լարագայե
արդարապէս հանձնը



Administrative Staff

Ազգային և տեղ թիւի և
արդարապէս ֆինանսական
ընթացիկները





Communications Department



Երբ կարևոր է կրթությանը հասնել
անկախ ժամանակից

Ayb Hybrid Education
Program Team



Գերազանցակրթությունն անտեղ
իջևան

Khan Academy Armenia



Կարևորագույնը կրթությունն է
բոլորի համար

How well do you know Ayb?

8 Facts About Ayb





Ayb's symbolic number is 8. Ayb has 8 founders. The principles of Ayb School student's characteristics are also 8. This number can also be found in Ayb's logo, the eternity symbol of which has the shape of an octagon star.




The author of Ayb's logo is Armen Kyurkchyan. The logo depicts an orange spiral symbol of eternity, representing the sun and the infinity of the world of knowledge.




Ayb has created 11 AybLabs in different schools of Armenia, introducing a prototype and exemplary model of a state-of-the-art subject-based laboratories.




Dilijan Central School is the first schooling project realized by Ayb's external order and funding. It belongs to the Ayb Schools' family. It was created as a result of cooperation between the Ayb Educational Foundation and the Central Bank of Armenia, becoming accessible to children of families living in Dilijan.




By joining the fab lab network, Armenia has become a part of the Massachusetts Institute of Technology's vast international educational network. Today we have two fab labs, one at Dilijan Central School and the other at Ayb School.



More than 30% of the RA' s schoolchildren and over 70% of all schools take part in Ayb's competitions.



The Ayb Educational Foundation is the official representative of the world's largest online educational platform, Khan Academy, and is committed to the simple mission of "making a free, world-class quality education available for anyone, anywhere."



In 2015, the national song and dance subject was introduced in public schools at the initiative of Gagik Ginosyan, the founder and artistic director of the Karin Traditional Song and Dance Ensemble, and the Ayb Educational Foundation. Currently, it is taught in 233 RA public schools to 2400 children per year.





**Creating
the Future**



Ayb

Educational
Foundation

Ayb has no owners or stakeholders.
It was established and continues to operate owing to the
trust and efforts of our numerous fellow thinkers, donors
and supporters.

Join our mission to create the best future!

donate.ayb.am

