

# Amber coast for gifted children

Not so long ago, the media actively discussed the resolution of the government of the Russian Federation on the establishment of a register of gifted children. Do children need to be the registry is the big question, but the conditions for growth just need. Secondary schools find it difficult to build an individual trajectory for each student, and in this situation, the children leading the program, is as easy as lagging.

To ensure that talented and motivated children could fully realize their potential in different regions of Russia open centers and boarding schools for gifted children. For example, this year about creating her own school for the 100 best students said of MSU (by the way, apply to study in it can any high school student).

Critics split on gifted kids and "ungifted" I believe that if the state focuses on the development of successful in individual disciplines students, we condemn the rest to education as a residual.

Reasons for such fears enough. Take a typical high school situation, "bundles", when in one class are all "excellent", and in another teacher's class come clearly without a lot of desire, because here gathered a hardened "losers" and "underachievers".

But institutions for the gifted can be not just a "Paradise honors" in a parallel Universe. They can be part of a coherent system, whose development leads to the improvement of all its components.

So runs the Center for development of gifted children in the Kaliningrad region (CROD). It opened in 2013, in village ushakovo in place of the former children's health camp "Solnechny Bereg". At the same time set up a network of supporting schools, first in physics and mathematics, then a linguistic area. In these schools there is a corresponding specialized classes, conducted methodological developments, there are various activities for students and teachers from other schools. Strong schools affect the level of the others by sharing your experience. And their students, showing good results at regional contests and competitions get the opportunity to get into one of the educational streams CROD.

During the school year CROD takes multiple threads, each of which lasts for a week. Flows involve boys in grades 7-11. Away from the usual school, family and friends, they headlong plunge into a new learning environment.

## It might be interesting:

Personalization of education in action

If the school curriculum is a given in TROD every child has its own individual educational route. He chooses which of the proposed modules is to study on mandatory pairs, what project he is interested to work with a teacher-mentor, what occupation to devote the evening in the club space.

The guys are the best teachers of the Kaliningrad region (the majority from the Baltic Federal University. I. Kant). For leisure and team spirit answer fashionable young people, students, having experience in various social and educational projects.

Sergei Homedirector centre for the development of gifted children

*— We rely on the logic of work with the senior students, which was formed in Russian and foreign pedagogy based on humanistic values and the implementation of those basic needs that children have. We create educational environment, educational space for children, providing the opportunity to try yourself in different directions. Technologies that we use help the children to feel their potential and personal growth. We always tell them: "Move forward, do not stop". According to our colleagues from educational institutions, the children return to school completely different. According to our monitoring results are also very encouraging. In particular, we see how the students successfully participate in the Olympiads.*

So you can take pictures with the astronauts. On the video linkup with the ISS at the Centre of development of talented children were present, even the Governor.

Source: CRED

Besides in-depth subject knowledge the children gain experience of team work and find like-minded people for the implementation of major projects. A vivid example — two years of work on the electronic book for the blind and visually impaired people. First TROD helped the author of the idea, the student of the Kaliningrad Lyceum '18 Sergei Saponov, to find support among scientists of BFU them. Kant. Then the draft caught up other members of the educational shifts, and everyone put a lot of effort to implement it. We have created a prototype of the book was interested in the group of companies "NEX-T", which deals with projects of social value, and it is likely that the idea of the Kaliningrad student will turn into a market product.

E-book for the blind based on Braille tactile Braille and must be 18 times cheaper than foreign analogues.

Source: CRED

One of the important tasks of the Center — providing the opportunity to develop in the engineering direction. Already 2 of the academic year CROD is IT school Samsung. This is an educational project that Samsung leads in 20 Russian cities: high school students learn the basics of programming and developing mobile applications on the Android platform. By the way, now high school students can apply for the school fees for

the next academic year.

Classes in the IT school Samsung

Source: CRED

It is noteworthy that during the training in addition to games they are developing very useful application that will find a grateful user. A global collaborative project IT school realized thanks to the cooperation with the Kaliningrad zoo. The original application "SmartQuest" — a mobile platform for creating and completing quests in reality started with an idea to make a "Zooquest" at the zoo. And now universal Creator quests can be downloaded in Google Play.

Arthur Babesinspirational Kaliningrad site "Samsung IT school", lecturer of the modules programming of the Center for development of gifted children

— *In the learning process I strive to acquaint the [pro-papers prices](#) children with the most advanced technology. We consider examples of real modern programs and applications that are familiar to most students. 97% of guys think that to repeat even a single function they can not afford. When, after one or two sessions they run with their hands written app, almost repeating only one function of the real product with millions of users, there is a confidence and motivation for further study, including independent.*

After the lecture, Nobel laureate in physics Zhores Alferov. To meet with successful scientists and entrepreneurs — continuous part of the program CROD.

Source: CRED

The center was created for students, motivated for teaching and research activities. But motivated children's interest in learning may fade away if we do not set them new challenges and inspire new achievements. Therefore, in CROD try to maintain a healthy competitive spirit during flow results rankings of the participants. The most successful of the guys then are invited to the summer school of physical and mathematical and natural Sciences "Laboratory Z+". Showing good results in CROD, you can get in the all-Russian center for gifted students "Sirius" in Sochi (it is created on the basis of one of the facilities built for the Olympics-2014). You can go to the international children's center "Artek" or the opposite end of the vast country — the all-Russian children's center "Ocean" in Vladivostok.

### **It might be interesting:**

Tumblr education: 10 blogs that need to subscribe

In General teachers noted that motivation to learn from the guys in TROD no problem; they come for the knowledge beyond the school curriculum and eagerly absorb new. However, this does not mean that all of them easy.

Alex Sizewritten program for training Olympiad on Mathematics, head of laboratory "Mathematical methods of protection and treatment and to" BFU them. Kant

— *Sometimes training children is different. Someone is better to know one subject, some another. As a result of which children are the gaps. The main thing at this point to explain to the child that this is normal, and tell how to correct the situation. And in the evening after classes, the students of the Center are distributed to club space, where they can regain their psychological strength and back to make sure that life is beautiful and learn very interesting.*

In the summer the Center conducts educational sessions for all comers. They are based on role-play games, include educational modules and a lot of active creative work. Summer programs of the Center are in the TOP 100 of the best programs of rest and improvement of children and teenagers of Russia (the contest, held annually by the Ministry of education).

Sergei Homedirector centre for the development of gifted children

*The main "highlight" of our summer programs is that they include educational components and modules, where the child fully resting, studying subjects and areas of their choice, gets new skills and abilities. He not only forgets the school curriculum, but rather opens up new directions and looks forward to meeting with the school, because that is where he will be able to realize their ideas and share discoveries with school mates.*

Romance summer is here connected with a thirst for knowledge.

At the request Newtonew teachers CROD shared their opinions about how children over the summer not to forget what to learn. Alex Sizewritten program for training Olympiad on Mathematics, head of laboratory "Mathematical methods of protection and treatment and to" BFU them. Kant

— *The difficult question of the combination of entertainment and conservation over the summer knowledge at the same level. This can*

*help the intellectual shift for a week or two in summer school. Good the theme that the child will like: chemistry, biology, physics, mathematics and so on. So he will get a lot of new knowledge on interesting subject matter, and, most importantly, these schools give the child the opportunity to maintain a high intellectual performance.*

**It might be interesting:**

Science — in each house Arthur Bboxcenter Babochkin, teacher at the Kaliningrad site "Samsung IT school", lecturer of the modules programming of the Center for development of gifted children

*—As for the summer, then, of course, any vacation you should try to combine gaining new knowledge. Of course, this should be done in a very engaging way. In my opinion, summer is the best time to engage in various interdisciplinary projects. This allows you to acquire new practical knowledge, get experience of team work and not to forget school subjects.*