



## History of our camp



Dear friends! Many people were in our camp last year, but almost nobody knows about the beginning of "Formulo de Integreco".

In 2010 Igor Zhukov was in Spain in scientific expedition and met some Spanish mathematicians. He told them about Russian maths camps and maths clubs. And they told him about learning system "Estalmat". Then they decided to make camps in Russia and Spain together.

At the beginning there were some maths battles via video connection. But first camp was held in Saint-Petersburg only in 2012.

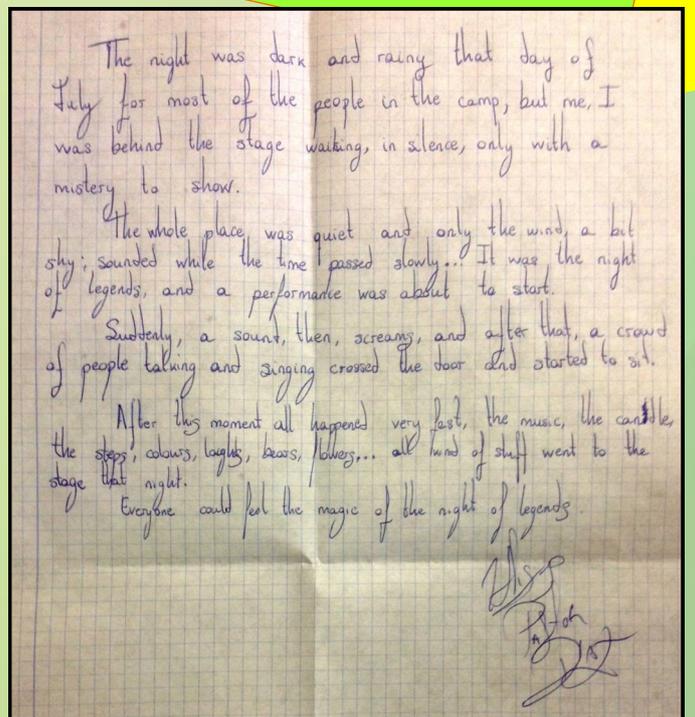
At first "Formulo de Integreco" included only 70 students, but 83 people came to our camp this year.

Maybe next year camp will be held near the Black Sea, and informatics and physics will be added to the list of clubs.

I wish you to have fun now and to have even more fun next year.

*Gleb Bakumenko*

**Hello, dear readers!** We are glad to see representatives from different countries in our camp. It's a great opportunity for everyone to communicate to other people and, of course, to practise foreign languages. So, we even have to publish two variants of our newspaper: in Russian and in English. It's very difficult, but we really like it :) Nataliya



## World news

Scientists still manage to find very old news. For example: a new dinosaur specie was found in the USA.

They started learning new theme in the mathematical group English A. Now the participants of this group know different between mathematical graphs and people called themselves graphs.

Long rains aren't stopping in China. Judging by the weather we are in China.

A secret friend often visits the room №15 of the 1st building. Who could he be?

Scottish scientists are sure that our solar system is populated by aliens for a long time. Maybe some of them are hiding between us?

British scientists found that water makes brain's work better. So, we recommend to drink a lot of water for each participant of our camp.

Russian volleyball players will have a match with Brasil in the final of the World League. Perhaps, we could have a local variant of the championship with one representative of each country.



*Polina Lavrentieva*

*Translator: Nataliya Soldaeva*



## About new groups and old friends



Photo: Anya Kasyanova

Opportunity to make new friends is one of the most popular reasons, which adults call, when sends children in summer camps. They forget about friends, which might be called «old» by this logic, at this moment.

And so, child, whom we can be, get in summer camp. First day is big with impressions and new contacts. Time in new place might be more exciting then ordinary life at home. But in the end of day you will be sad about your old friends in anyway. Reason of this might be unexpected cold wind, which

might to make sad anyone, beautiful landscape, company of old friends, which arrived in summer camp together or just any thing, which reminded you about home. At these moments we are sad about our friends and sorry that they are not with us. It is good, when new familiars became good friends with time, but it will be only with time.

And for a while we are separated with our friends. We are separated in anyway, because summer camps have not access to the internet. But some friends might be only in internet and we can in live in different city with them, but we can call them our good friends.

It is pleasant to make new friends, but meeting old friend when we arrived at home is more pleasant. It is possible, that it is one of the important missions of the summer camps: do not let us forget about our friends and we understand it after a long separation.

*Polina Lavrentieva*



## Maths in Our Life

Almost a half of our camp session has passed, and we haven't find out yet what maths means for us. So we've decided to ask the participants what place maths takes in their lives.

Maths is:

- an art, like, for example, painting or architecture. For me it's a way to realize myself. Really, what can be better than the pure abstraction?
- a hobby, because I like spending my free time on it;
- it's just a school subject, which I like. But I respect persons who are really involved in maths;
- a possibility to communicate to very intelligent persons, to discuss interesting things;
- beautiful logical solutions;
- a list of signs and symbols used in real life;
- an opportunity to systematize the world;
- the main thing in my life;
- an instrument helping in different part of the life;
- a fine science worth to be studied.

And what place does maths take in your life?

*2nd group*

## Un artículo español

Después de casi 22h. de viaje y con muchas ganas de llegar al campamento nos encontrábamos hace apenas 6 días; días con tantas emociones vividas en tan poco tiempo que se nos han pasado volando. Todos llegábamos con esperanzas de ver nuevos lugares, conocer gente, aprender matemáticas y de mezclar nuestras distintas culturas. Estas se vieron reconocidas al formar grupos con una estupenda mezcla de procedencias que nos permite formarnos como personas, aun teniendo la barrera de los idiomas. Las culturas también podemos conocerlas a través de las excursiones que realizamos, como a San Petersburgo, una ciudad preciosa que nos hizo sentir una pena inmensa al saber que puede que no volvamos a verla una vez más. Los compañeros del año pasado siempre hablan de las diferencias entre el pasado campamento y este, resaltando la gran cercanía de la gente este año. En el escaso tiempo libre que tenemos nos gusta aprovecharlo para conocernos, reírnos todos juntos, hablar del bosque, de las ganas que tenemos de bañarnos en el lago... y de lo mucho que nos gustaría montar otra fiesta como la anterior!

*Ruth de Rodrigo*





## Horoscope



### GROUP 1 «BEAR»

For the next few days you'll find lots of honey, but you must be careful with the bees. Make sure your claws are sharp and shiny because you'll need them.

### GROUP 2 «MATHALLICA»

Music is very important in your life. Even though you are as strong as iron (or lithium, or uranium...), it's always good to receive a hug from *бабушка*.



### GROUP 3 «WEST COAST»

Although previous days were cold and rainy, don't forget to take sunscreen with you because it'll be sunny and warm. Be happy, but remember: East Coast is watching you.

### GROUP 4 «EXPLOSION»

You'll have an explosive day. Don't get angry with your mates, they could expl...  
(PD: During the writing of this horoscope, our laptop had a problem and...  
BOOM!)



### GROUP 5 «KAPUSTA»

You'll have a good mood, because you'll receive a hug from someone you don't expect. And if you don't want to be a cabbagehead, don't forget to hug every cabbage you see!

### GROUP 6 «ЧАСТУШКИ»

You've got a lot of talent, keep practicing and you'll go to Eurovision! But try and do it as well as you can: West Coast group doesn't want more rainy days.



### Legend about a Tower made of red bricks

Once upon a time there was a kingdom in the place where our camp is situated now. All people of the Kingdom were kind, they helped each other to solve problems, and therefore they were happy. And they liked their King as he was very kind and fair.

But the King's daughter, the Princess, was wicked. She often offended people and never apologized. Her father asked her to be kinder, but the Princess did everything she wanted.

One day the King understood that his attempts to change his daughter are vain. He ordered to build a tower made of red bricks and placed the Princess into it. He believed that solitude would help his daughter to realize that she was wrong. Then she will be able to return to the palace.

When the Princess found herself in the tower, she was very angry. She opened the window and began to cry and to insult passers.

But there was one person in this Kingdom, who really loved the Princess. He was a smith's son and he also often heard insults from her. When the youngster learnt the King's plans, he decided to help his sweetheart. He came to the Tower and called the Princess. When she looked out, he asked her if she wanted to return to the palace. The girl answered she didn't like to be here alone very much, she was boring and she wanted to come back to the palace. The youngster said he could help her. But she would have to say some pleasant words to people. The girl agreed reluctantly, because she didn't want to be in the Tower. She started to compliment people, smile to them and they smiled back to her. For each compliment she said the smith's son threw one thread to her. The Princess liked the smiles very much and she did it again and again. By the end of the day she had 248 threads. Then she asked him what to do with them. He suggested to make a rope of them and to climb down. When the girl climbed down he said: "You see, it's very nice to give smiles to people and to compliment them". The girl agreed and promised to say only pleasant things to people now.

The youngster picked her up and carried her to the palace. In some time they got married and became new great King and Queen. They ruled for a long time. The Kingdom was the happiest in the world.

In this place the camp "Formulo de Integreco" is situated now. But the Tower made of red bricks still reminds us that we should be kind and give joy to people.

Nataliya Soldaeva

## Mixed up

On the second day of our camp after lessons we all were collected in the Big Hall for the unusual game called "Mixer". After Igor Zhukov had said few words, they gave us sheets of paper with a number and a colour on them for each participant. We were divided into groups (14-15 people), according to some feature, did different exercises and divided again into new groups. We were mixed like a mixer makes the whole of different ingredients.

First of all they created groups with the same number on sheets. We had to make the ordered line (on the corner of each sheet was a number). Then they formed groups with the same colour, month of birth, age and interests, where each person could find something he likes.

I think the most interesting exercise was when we were to choose a moment of the movie, which the leader suggested to us. Then we had to show this moment to another group. They had to guess our movie. For example, my group showed the moment of Simba's birth of the movie "The Lion King". Our performance was great, another team easily guessed the name of the movie.

Language barrier impeded a bit, because guys from Spain, Brasil, Croatia and China often didn't understand what they had to do.

It was a surprise for me that this game allowed us to meet new friends in a very little time.

The game "Mixer" became one of the most memorable events of this wonderful day.

Nataliya Soldaeva

