

CORE VALUES

DISCOVERY

During class hours we worked on the key points of the First Lego League

- 1) Solving the problem of the relationship between man and animals. In particular we decided to raise awareness on the use of rat poison.
- 2) Building a robot that we called "Big bot". It is made with lego pieces and sensors and it has got two wheels that allow it to move in the field and two engines that move a lot of arms.
- 3) discussing the core values of First Lego League.

We worked on this together and in a serene atmosphere but above all with great team spirit. Even if we don't win we will be happy with this experience and we will never forget it.

INTEGRATION

While we were working on the core values of First Lego League we realized that we were experiencing them in everyday life.

For example, I live the value "we are a team" when my volleyball teammates and I support each other in difficult moments by helping each other and hugging.

I live the value "we have fun" when I stay with my family or my friends because I love them.

It is very important to share our experience with other people. For example when our school organizes some trips or sports activities, I always take part with my friends, because each experience is beautiful and meaningful if you have it with a schoolmate.

We developed the value of autonomy in different ways: in fact even if our teacher was not always present at our meetings we were able to work together and exchange our ideas.

I display gracious professionalism when I play rugby. For example last year, near Venice, during the finals of a rugby tournament played by teams formed by secondary school students from all over Italy, we won the final match but, instead of boasting, we shook hands with our opponents and celebrated all together.

INCLUSION

We are a balanced team and we work with respect for all the members of the group, in this way nobody feels excluded.

the image which represents us is our hands painted in different colours and when they touch, for example when we shake hands, they create new and beautiful colours. this is our philosophy : like the colours united in harmony so we live and work serenely and harmoniously

In order to work as well as possible, we decided to split into three groups. Each group focused on different topics: one of them worked on the scientific project, while another one on the technical aspect and the third one prepared the presentation of these values. We sometimes met for a briefing to discuss and share our work. Moreover, we used to share files, videos and documents by using Google Drive, Whatsapp and Edmodo (a kind of virtual classroom) to keep in touch with one another within the same group.

To make decisions each of us expressed their ideas and then we chose the best one by voting.

During the choice of the problem we had to study, everyone made their proposal and there were some interesting topics like the bedbugs issue.

However we thought that the rat poison problem was more interesting because Giulia's dog died due to rat poison. We voted also for the choice of our name. we chose ROBOTOP because it is made of two parts which represent the two forces of our team: ROB which suggests the word "ROBOT", and some of us work on the robot itself and TOP which indicates our scientific project based on rats (topo is the italian for rat).

COOPERTITION

As for the friendly competition, we shared our ideas and our projects with the Spanish team of Gurb, thanks to a blog created by them. As in previous years we lent two robots to the Italian team FLL12 and during the interregional stage we shared our race field with them. We also lent the Italian team FLL94 a robot battery because theirs was flat and this allowed them to win the robotics competition.