

“Science Fair”

Held at the lycée Vincent van Gogh
Wednesday 25 May 2016

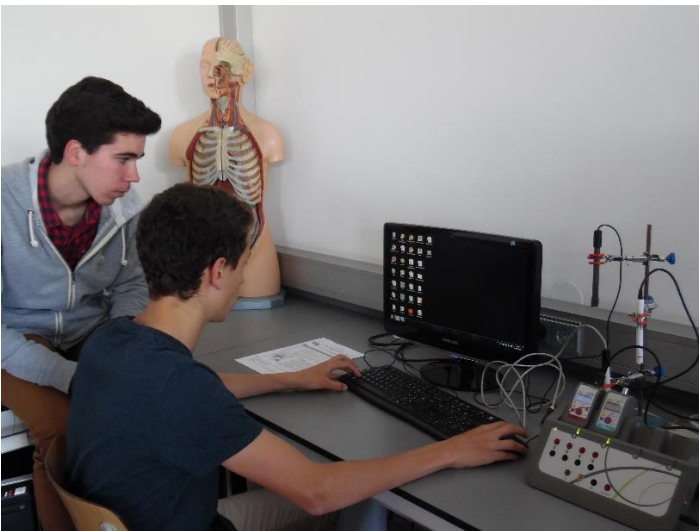


WHAT IS A SCIENCE FAIR?

A **science fair** is a competition where contestants present their science project results in the form of a report, display board, and models that they have created. The main motive of a science fair is for students to answer a question by conducting a range of experiments and ongoing research in the amount of time allocated to them.

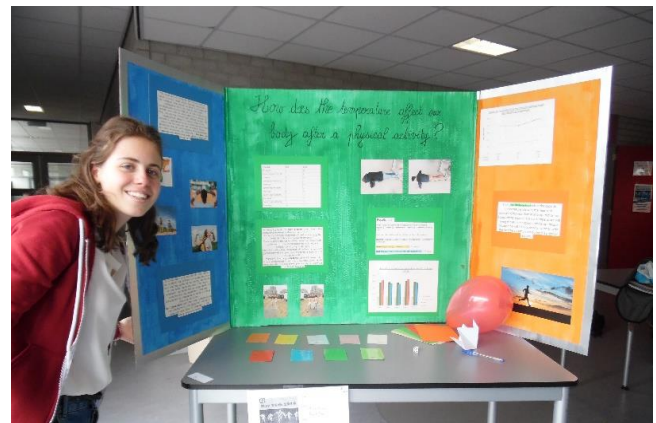
A science fair was organized this year for DNL-SVT Seconde.

A SCIENCE FAIR FOR WHOM? WHAT FOR?



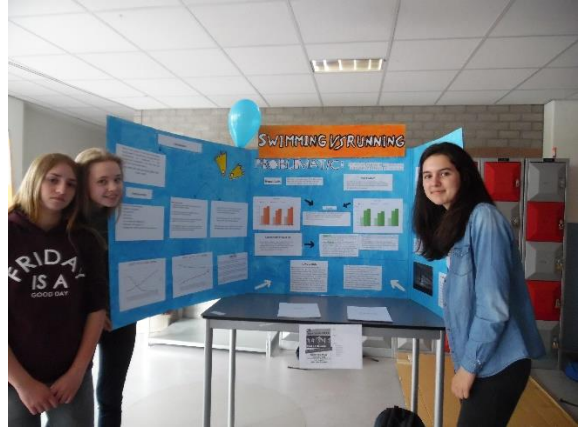
Students from **DNL-SVT Seconde** started to work on their projects in March. They had an hour per week in the science lab or in the library.

First the students conducted some research to find a good topic; then they conducted in-class experiments in order to be able to answer questions such as “What is the best sunscreen to use for sport?”, “How does temperature affect our breathing during physical activity?”, or “What kind of sugar should I eat before sport?”



Following this, they worked to analyze and present their results, and finally they prepared their display board.

Students from DNL-Physics Première (Mr Eneau), and Terminales S (Mr Glackin) were invited to vote for the best project. They came to the fair, asked question to the students and finally chose their favorite project.



A number of teachers graded the projects: Mrs Mangenot, Mrs Pierre, Mr Eneau and Mr Glackin. There were so many good projects that three groups got a Gold Medal, two a Silver Medal and two a Bronze Medal.



TOP 3?

The awarded students got a diploma and a "science kit" (a booklet and a few 'goodies' to conduct some experiments at home).



Gold Medals went to:

- Albane Marande, Alexia Poupet and Etienne Loiselet
- Louis-Charles Pelzer and Niels Vadot
- Manon Erimo and Hugo Hayard

Silver Medals went to:

- Johanna Ladiray, Paloma Leneuveu and Blandine Lejaut
- Camille Luna, Hanna Resom and Quentin Vendeville

Bronze Medals went to:

- Christophe Hugueny, Alexandre Nelva-Pasqual and Paul Lindhorst
- Emma Esmiol and Mathilde Pons

And **students awarded the project on motivation in sport** conducted by Mathilde Clar, Marie Juery and Marie Lacombe with its outstanding display board and game!



Most of the students did a fantastic job on their projects and learned a lot about their topic but also about conducting a project in a team. A big 'thank you' to them and to all the people who made this science fair possible.

Anne-Laure de Mondenard

THE HAGUE SUN SHINE

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Sport and Science: the Science Fair



Students who were not able to present their project had to write an article about the science fair. They also were in charge of taking pictures.

"This Thursday, 26 May, 2016, we saw all the projects from the Lycée français van Gogh's students. All the students were in Seconde and they were very involved in their projects!

First, we are going to explain what's a "science fair project"?

A science fair project is a unique way for students to pose questions for which they must seek out answers and to satisfy their own curiosity about the world around them. A science fair project is an experiment, a demonstration, a research effort, a collection of scientific items, or display of scientific apparatus presented for viewing. It represents the efforts of a student's investigation into some area of interest and provides a way for the student to share the results of those investigations.

A science fair is often around a theme. This time, the theme was "The sport".

With Maëlle Hamon, we took a lot of pictures of the student's project and we interviewed some students.

Ice bath

Loïc, Stéphane and Alexandre

"-hello! Can we ask you questions about your subject?"

-Of course

-Thanks! First, why did you choose this subject?"

-We choose this subject because we wanted to know if the cold had repercussions on muscles. And ... We also wanted to see our friend in an Ice bath (laugh)

-Did you like to work on this project?"

-Yes! A lot! We learned a lot of things and we also had fun so it was very interesting. "

How does the temperature affect our body after a physical activity?

Hugo Hayard and Manon Erimo

"Why did you choose this subject?"

-We wanted a subject that everybody could understand. And we loved the idea of temperature!

-What was your experiment?"

-Everyday, we did different activity and we explained it.

-Did you like to do it?"

- "Yes, it was a different way to work and it was very interesting!"

Body in space

Christophe, Alexandre N., and Paul

"We didn't have any results ... So we were a bit sad ... But we choose this subject because we loved space"

Speed in water

Emma, Mathilde

"-Why did you choose this subject?"

-We like to swim and we wondering if we could swim faster or better with a cap.

-Did you learn some things?"

- Yes! We learned that the cap minimizes movement in water, so we go faster with a cap!

-Nice! Did you like your subject?"

-Yes! We were really happy to do it! "

Axel, Louis and Valentin

"Our experiment failed ... The string broke ... But not the bone ..."

Funny sentence: "It was an unbroken bone haha" Valentin

Reflexes

Amanda, Niccolo and Tom

"We wanted to know if the view was essential to survive."

"Without reflexes you might die" Amanda Dagrone

We also interviewed the Judge and a teacher.

"Hello! Is it your first science fair project?"

-Yes is it and it's quite interesting!

-on which criteria do you judge the students?"

- I judge the students on their English, their project and the science background.

-Did you learn a lot of things?"

- Yes, I learned that we could do a lot of experiment with yeast, I wasn't expecting that"

Mister Glackin

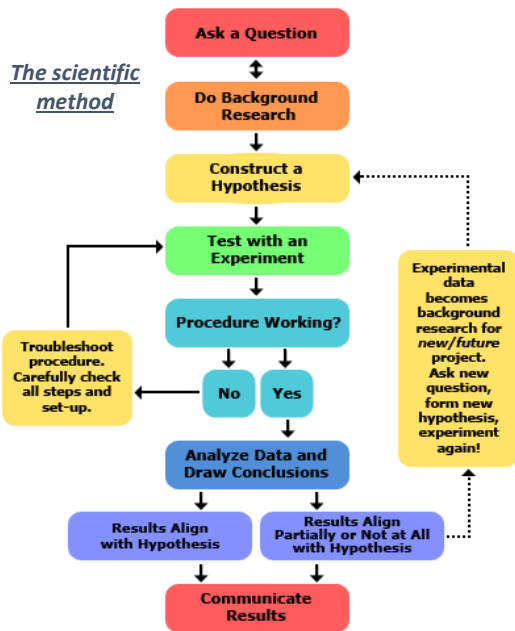
"I was very impressed!! Students were very involved in their projects. I love the subject on cellular respiration, he's very interesting and excellent! "

At the end, Manon Erimo and Hayard have won ! Congratulation to the both! And also to Marie L; Marie J. and Mathilde!"

Lucille Noël

LYCÉE VAN GOGH SCIENCE FAIR IS A GREAT SUCCESS!

Since the 9th of March, Second's students are working on a Science Fair project in DNL SVT class. A Science Fair project is a work that students have to do in group of two or three during Science Classes. The purpose is to answer a question, using scientific methods, with some experiments. A Science Fair is usually a competition where contestants present their results in the form of a report, display board, and /or models that they have created. The main subject of this year was sport. So all experiments had to have a link with physical activity and all students groups have came up with some several subjects.



So how does it work? We had first to come up with a subject, and it may look easy but it's not that much because we had some constraints such as found an experiment that goes with it. And an experiment that we were able to do, with the means we have and report. We, for example, were not allowed to experiment on ourselves, which could be dangerous; after we find one, we had to find the protocol of the experiment. And then, do it. It could be done at school or on our free time with our own stuff. So if in DNL SVT it was possible we were doing it in class but some of us had to do it out of the school because they needed a pool or a lot of place. My experiment subject was "What are the effect of energy drinks on the body?" We used yeast as test subjects to see how "living creatures" reacted to energy drinks. We made some different mixes: some with different brands of energy drinks (with slightly different components) and yeast, one mixed with only yeast, water and sugar, and one with only yeast and water. So we could see the evolution of the yeast in the different mixes. We take pictures with a microscope and a computer and we wait a whole week. During all the time we were doing the experiment we had to write everything we were doing during every class to have it for the report and write done all of our result for our conclusion and everything. At the end of our experiment we counted the yeast we could see on the pictures and

compared them to the first one. We have seen a huge evolution in the mixes with energy drinks compared to other, even the one with sugar and conclude that the chemical composition "caffeine plus sugar" had an effect on the yeast population which had grown a lot faster than it usually does. Then, after we had done our experiment and written the report, we had to do a display board to show our project and experiment during the Science Fair.

On the Science Fair day itself all the student had put their display boards and reports on a table and students from other grades came to ask some questions because they had to vote for their favorite project. Some teachers who were also judges came also along to ask questions to the student about their projects. It was the first Science fair organized in our school and they were very impressed by some of the projects from some student and even learn a little bit from them. The contestants themselves, found the project really interesting and found that it made them learn a lot about their subject, and because they were with their friends they also could work and learn in a good mood. Even if some experiments failed (which is also an answer to the question asked) and that it wasn't always easy and a bit stressful during the last days, they always learn some things that they will remember.

A Science Fair project is an amazing and unique opportunity for the student to learn in a different way that they usually do. It make the contestants learn by themselves and for once they are the ones that are explaining to others. It's also really interesting for visitors because they learn in a funnier way, and as they have to vote they also have a role to play. It's a win/win situation for everybody. It changes a lot from a normal class where a lot of student don't feel concerned. It makes things more tangible. In a Science Fair every student is involved. It's a great opportunity to put all the methods we have learned in a school year in practice.



Maëlle HAMON 2nd Blue