

Program International Steminar 15/19 January

Monday 15th January

17.00 – 18.00h. Arrival Youth Hostel St. Vith

18.00h. Diner

20.00h What do you expect? / Presentation of our schools / games to get to know each other

Tuesday 16th January

8.00h Breakfast

09.15h/12.00h. Workshops: math/physics/fact or fail (you can arrange breaks within each session)

12.00h Lunch, discovering the nature by a hiking-tour, discovering St. Vith

14.00h/16.30h. Workshops

18.00h Diner

19.00 Bowling

Wednesday 17th January

8.00h breakfast

9.00h Excursion to Liège / Lüttich, sightseeing, museum, shopping, lunch and dinner

21.00h back at the Youth Hostel

(games and sports)

Thursday 18th January

8.00h Breakfast

09.15h/12.00h.

12.00h Lunch, hiking-tour

14.00h/16.30h. Workshops

18.00h Diner

20.00h Presentations / farewell-evening / start packing

Friday 19th January

08.00h/09.30h breakfast & cleaning up the bedrooms, packing the personal stuff

10.00 Departure

Workshops

1. Math/Physics I (Christine & Hartmut): math and natur: Fibonacci-numbers; Monty-Hall-problem; Tower of Brahma; mathematical modeling using a cas-calculator; using a smartphone as a mobile lab;

we will have a closer look at how hearing works at a physical level and how modern techniques like hearing aids and cochlear implants work. We will experiment and will try to build our own inductive hearing system.

2. Math/Physics II (Valerie & Isabelle): Math & magic: Mirifying Parabolas, an amusing and amazing property; Parabolic Solar Cooker, mirifying Parabolas; Experiments around the SOLAR IMPULSE project: mechanics of plane flight; the performance of Solar Impuls 2's solar panels.

3. Fact or fail (Oliver & Katja): AI-generated texts and photos should be examined. How can you distinguish between real and fake? Create own texts and photos with AI. How to cite correctly in academic papers.