



## PROJECT 3DT GRANTED BY ERASMUS KA2+ LEARNING/TEACHING/TRAINING ACTIVITY VAGGERYD, SCHOOL FENIX, 5. – 9. 12. 2017

Our journey to Sweden began at the main railway station in Pardubice, where we met on Saturday after lunch. We took the train to Prague and then the bus to Berlin. We were a little bit tired, but still really excited. In Berlin, we waited 3 hours for the next bus. After the long waiting, we finally started our journey to Jönköping.

When we arrived to Jonkoping and left the bus after almost 14-hour journey, Brigitta – Swedish project leader – was waving on us. Despite of our exhaustion we noticed a few nice girls standing around her. After few moments, we found out they were our hostess. Five of us were lucky and were accommodated in their families. Others were staying in the hotel near the bus station in Jönköping. Before we took the first short trip around the city, we had gone to IKEA to taste a typical Swedish food – meatballs. After the dinner, we went sightseeing the city. It was beautiful to see Christmas decoration everywhere. Few hours ran “as fast as water” and we went to our accommodations.

We met other project students teams from Sweden and Slovakia at Fenix school in Vaggeryd next day on Monday at 8 o'clock. Vaggeryd is at about half hour far from Jönköping. After a short welcome, we underwent the school tour which was an incredible experience. When we entered the school we could not believe we were in school. We felt like being in a nice garden. We admired a lot of various plant species everywhere around us. In the middle of the hall there stood the green tree. On the sides were benches and chairs with tables where students can eat, study or just talk with each other. This was the right place for “fika”, which is Swedish word for a coffee break. In the center of the main hall there was two – floor school library used as the study place as well. To the right and left were two corridors leading to classrooms. This wasn't the end of our tour because school is formed by two buildings. In the second, new one built in the shape of circle, is placed a modern gym, a lot of classrooms equipped with computers. What surprised us were workshops with modern machines, even CNS ones where students learn to work with wood and metal.

We had lunch in the self – service school canteen. Everyone could take meat with potatoes cut into cubes and vegetable salad. After lunch, students from every participated school presented videos or presentations about their country, city, and school. Lesson of Swedish followed. We wished to learn how to greet, say thanks, some school and shopping vocabulary. Then we discussed the program for next days. The day was finished in the gym where we played some sports games.

Next day we met altogether at school again and started our morning program. It was work on our main project goal – creating school aids. Last year we were building 3D printers and learning 3D modelling but this year it was assembling school aids from parts we had printed at our schools and on our own at home before going to LTTA. We created aids such as a speaker, electrodynamic converter, DC motor, combustion motor V8, aircraft turbine and a model robotic hand. In some cases, the completion was easy, but sometimes we sweat a lot. For example, the robotic arm needed not only completion, but it demanded connection of some electronics. Arduino MEGA was used for this purpose. This was not enough. It was necessary to continue and write a program that controls the arm. While

building these school aids some of us were helping Swedish students to repair their 3D printer they had been built last year. This hard work was interrupted by school lunch. After it, we continued working on the project. The work was tiring so after 4 o'clock we finished at school and decided to have a rest. We went by bus to Prison Island in Husqvarna. Nobody knew what to expect so we were looking forward very much. When we reached our destination, we realized it was the game like famous TV show Boyard Fortress. In the building on one floor there were more than 40 doors and behind each door, there was a room with a task to complete. We created 3 or 4 members teams and started the game. After two hours, we ended and compared our results with each other. It was fun but also exhausting so we crossed the street and entered burger restaurant to strengthen. After appeasing hunger, we went to our accommodations to have a rest for next day.

On Wednesday morning we participated in lessons teaching program Solid Works for 3D modeling. We learned to model a game cube. After a while, we realized that work in this program is similar to 3D modeling programs, so some of us added textures, background or animated the game cube. The work was so interesting that we nearly did not mention lunch time. We ate Swedish goulash and pancakes. The afternoon program was similar to Tuesday's. It was working on the project. After finishing the work on school aids we went to have pizza with Swedish and Slovakia friends. After very tasty dinner and a nice talk with others, we went to the local shop to buy some food for tomorrow.

On Thursday morning we went to school but didn't stay there for a long time. After few minutes 2 cars arrived and together with Swedish students, we left for a day trip. Our first stop was in the moose farm where our Slovakia friends joined us. Together we observed the farm and were allowed to feed moose with branches. Few of us also took a photo with them. After an hour with moose we visited the store with interesting souvenirs and bought few gifts. Some Czech boys even dared to buy moose steaks and succeeded to transfer the meat home. Then we felt hungry so we stopped at the local fast food called MAX. For hamburger of course, but made from Swedish ingredients only. Our next stop was Jönköping. But on the way, we turned off the road and enjoyed watching picturesque Swedish countryside – wonderful red wooden houses scattered in green pastures with horses. After few minutes of driving, we saw the nice big lake in front of us. It was picture like from fairy tale. The turnoff was worth it. After taking snaps we got back to our planned route. In Jönköping we split up and everyone took his own trip around the city to make record on videos and photos.

Friday was our last day in school. In the morning we had only one main program. And it was the final meeting. We evaluated the impact of the project on participants by questionnaires and discussion. The principal of the school gave us certificates about our participation at LTTA. Everyone got a bag full of presents - Swedish sweets, notebook or pen with Fenix school logo. Very nice presents. This was followed by the farewell meeting. After lunch, everyone headed on his own direction. Someone went back to Jönköping, someone just stayed in Vaggeryd and some of us went to the National park Store Mosse. The park was absolutely amazing with its peatboxes, dwarf pines and spruces.

The final day of the week came. Each of us wanted to enjoy the last day in Sweden as much as it was possible. The only fixed term was the meeting at 17:30 on the main bus station in Jönköping. The bus arrived before 19 o'clock and we went on the same way to Prague.

We enjoyed the LTTA in Sweden as much as we could. Not only we improved our skills in 3D modelling and completing school aids, but we also got chance to practice English in real communication. Besides gained knowledge, we learned Swedish culture, which is very similar to ours. We met new

people and enjoyed a lot of fun with them. If I should describe the Erasmus project LTTA contribution in few sentences, it would sound like this: Learning new things is important, travelling is fascinating, meeting new people is incredible, realizing that other nations are just like us is liberating. But when you join all these things together to one week, it is an unbelievable experience which is worth it.

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