**A trip to SHMI**

On March 22, 2019 (Friday) we went with class 6.A to Banská Bystrica to visit SHMI, which organized the Open Day.

First we could see (in the pictures) how to measure eg. water flow, water depth, temperature, .... Today, mainly modern technologies are used: an ultrasonic wave device on plastic hovercrafts, which two people move from one river bank to another using a rope. To deeper rivers, the device must be lowered to the surface of the river from the bridge. Although today it is a modern age, older technologies are also used. Then they told us about the greatest natural extremes in Slovakia: the highest and lowest temperatures, the largest hailstones, and finally the tornado in Lekárovce. Finally, we looked at a short documentary about the rivers, water circulation, dam construction, river pollution and river ecosystem in Slovakia.

I think the trip was very good, we learnt and remembered a lot of interesting information.

**Water day in SHMI**

On Friday we went to Banská Bystrica to the Slovak Hydrometeorological Institute. The whole class went there.

First we went into the room where a woman told us how to measure the water in the river Hron and how we find out how the water flows. Then we moved to the next station. There they showed us a small propeller. Everyone was blowing into it and the workers found out how many times it turned. Then we went out where a man showed us how the propeller works to measure the water flow. It was too heavy. The propeller weighed 25 kilograms. There was one more activity ahead of us. We went back to the SHMI building. There they put on a video about the water, which was very instructive.

**Excursion in SHMI**

On March 22 we were with our class at the branch of SHMI in Banská Bystrica. It was Water Day, so we visited different sites.

On the first of them, a woman told us about how the various data on the water at the river Hron station are actually measured. At the second station we could try to blow into the propeller and the meter measured the number of revolutions the propeller made. Then a man showed us pictures of extreme weather in our cuntry. We also saw a tornado in Lekárovce. I liked this most. In front of the SHMI building, another man introduced us the instruments which water flow is measured with. Finally we watched a film about water.

I'm glad we went there. We learned new things. At home I watched the video about the tornado in Lekárovce once again. Thank you Miss teacher!

**SHMI**

In SHMI, Banská Bystrica, we saw various instruments, things that measure the water level. A woman told us where the water measuring stations are. They measure and get information about our river Hron. When the woman said it, I was pleased that they research our river. Then a man showed us a video of a tornado in Slovakia and talked about the highest and lowest temperatures in Slovakia. In the end, before we went home, we watched a video about water and nature.

I enjoyed it very much, I would like to go there again.

**A trip to SHMI**

At the SHMI tour, we saw how river flow is measured. There is no water station in Sliač. The nearest one is in Banská Bystrica by the river Hron. Later we watched a presentation relating to weather records in Slovakia and Banská Bystrica region, eg. temperatures, tornadoes, wind, ... Then they showed us how to measure the flow rate of a river, what instruments they use for it. They use different instruments on each river. We also watched a film showing how people destroy and pollute nature and how we should protect it. It was very interesting and instructive. I am glad I could participate.

Thank you.

**A trip to SHMI**

On Friday we were in SHMI in Banská Bystrica. It was about the weather and we also played there. We were blowing into the propeller and who was the best, he or she was the winner. I liked the lecture about tornadoes in Slovakia most. And also a document about water. The trip was very nice.

**SHMI in Banská Bystrica**

On Friday we visited Slovak Hydrometeorological Institute in Banská Bystrica. In the beginning, they told us about how they measure different things about the weather, the instruments they use for measuring, and how they record the data. Later, they also showed us the instruments and explained how they work.

Then we watched a presentation about weather extremes in the world and in Slovakia, for example the highest and lowest temperatures. We also watched a video from a camera in a tornado village.

Later we moved to a room where we watched a documentary about water, how to protect it, how to care for it and what to do so that we do not pollute it. It has also been said that water damage or road construction is harmful to water.

The whole trip was interesting and I learnt a lot of new things there.

**SHMI**

On March 22 we took part in the excursion in Banská Bystrica - excursion to the Water Day in SHMI. We saw many interesting things, such as propellers, that measure the depth and speed of water. There were about 4 posts where we could participate in the activities.

In one post, we learnt about the propeller function and we could blow into it. We got candy and the winner got other prizes. We also watched a film about water. We found out the importance of water, the consequences of cutting down forests.

**A trip to SHMI**

I liked measuring instruments most at the excursion.

Level meter: it is used for level measurement, eg. how much rivers level has risen or fallen.

The torpedo is used to measure current and water velocity.

Hydrometric rod: it is used to measure the flow velocity; how many turns the propeller will do.

Meter measuring dust: it is used to measure dust and smog in the atmosphere.

We have also talked about the great pollution of the seas, rivers and oceans. Plastics are dangerous for both aquatic and terrestrial fauna.

**SHMI (Water day)**

How is the water level measured when it rains and the water rises? There is a special gauge for level measurement that can also record wind speed and level.

What were the biggest disasters after the storm or tornado in Slovakia? The largest tornado was the last time around Poprad and other parts of eastern Slovakia. One tornado in Slovakia destroyed half a village in seconds.

Where are floods most often? Trebišov district is the most endangered by floods. Water flooded places under the Tatras and cars could not pass through.