

## GirlsDay on April 27, 2023:

### „What do you need to forecast the weather?“

Last Thursday, we hosted 12 girls from class 5 to 6 at our Institute for Atmospheric Physics to find out how a weather prediction works and what is essential for it.

We started with a presentation by Univ.-Prof. Dr. Peter Spichtinger on various meteorological topics and the research interests of our institute. Following this, we provided a short explanation of how a weather prediction works and engaged the girls in a discussion about the upcoming weather conditions. This should explain the girls which meteorological variables are important and need to be measured to run a weather prediction.

To measure these variables we build our own thermometer and windmill. Despite facing some challenges during the calibration process of the thermometer with hot and cold water, the girls worked hard and did their best. They also got the opportunity to test their windmills with a regular ventilator since our wind channel was under repair.

After a refreshing lunch break at the Botanical Garden, we took the girls to our rooftop to explore our instruments. After that, we had a look at our cloud chamber, where they could touch a cloud. This gave them a chance to see firsthand how meteorological data is collected.

We are looking forward to next year!

Isabelle, Amelie and Marius

