

## Marischool – an oceanographic pupils' laboratory

Get out of school for a day and jump into science!

Move with your lessons to a research laboratory: The Pupils' Lab MariSchool offers experiments related to marine topics to high level courses in chemistry or biology. Besides, the participants can conduct interviews with marine scientists about current issues. The pupils are actively involved in carrying out the experiments and taking samples from the adjacent shoreline. They apply information learned during school lessons to current research questions and gain insights into vocational fields. The specific offers covering one or two days are oriented either to biological or chemical lessons, but they always contain interdisciplinary aspects. Currently, the lab offers courses on two different topics, the first dealing with the marine CO<sub>2</sub> cycle, in particular the impact of a rising CO<sub>2</sub> level in the atmosphere. The second deals with causes, processes, and consequences of eutrophication

in the Baltic Sea ecosystem. Both modules are connected to the educational curricula of the State Mecklenburg-Vorpommern, but additionally include scientific methods to address overarching problems relevant to society as a whole. The courses are mainly developed for students from 10<sup>th</sup> grade upwards. The maximum number of participants is 20. Courses can be arranged for a time span ranging from half a day (3-4 hours) to two days. Teachers can find all necessary background information on the project website, which includes a description of the covered topics and the pre-conditions for students to take part. The booking of courses needs to be done online. Teacher training courses can be arranged upon request.

MariSchool received funds from the State Ministry for Education, Mecklenburg-Vorpommern, and the Fond of the Chemical Industry.



**Target group:** 15-19 year-old school students

**Subject addressed:** Physics, chemistry, biology and geography

**Restrictions in the number of visitors:** 20 students per course. The course is designed for class groups; the presence of the respective teacher is necessary.

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