

SCHULE SCHLOSS SALEM

PROJECT OUTLINE: RESEARCH SHIP ALDEBARAN



Research Ship ALDEBARAN

Agenda

1. Salem's Commitment to the Environment & Nature
2. The ALDEBARAN Project
3. Benefits of the Project
4. Timeline and Costs
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Research Ship ALDEBARAN

1. Salem's Commitment to the Environment & Nature

Schule Schloss Salem educates Salem's students to use the earth's resources responsibly. In the area of sustainability, environment and nature, the school, teachers and students are equally committed and contribute their part to "rethinking".

Projects of the Sustainability Services Salem (grades 5-10) and College (grades 10*Plus*, 11 and 12):

- **Raising Awareness and Education:**
 - regular youth conferences on sustainability topics (SICYC - Salem International College Youth Conference) – last topic: climate change (November 2019). A student-led conference with participation from several Round Square schools.
 - **Project Days:** sustainability day college, biodiversity day, expert presentations in school assemblies: Information on plastic, consumption, waste, climate protection etc.
 - **Participation in Competitions, Own Research Questions** on mobility, energy consumption, development of biodiversity at school sites.
- **Biodiversity Protection:** planting flowering strips (member of the *Blühende Landschaften network*), insect houses, beekeeping, research cooperation on the wild bee project with the University of Freiburg
- **Conscious Use of Resources:** collection of returnable bottles and recycling projects, flea markets, collection of old clothes, fair trade café (Café Hahn)



EXPERIENCING NATURE



Research Ship ALDEBARAN

2. The ALDEBARAN Project

ALDEBARAN is a research ship for marine and water research. Due to its draught of just under one meter, it is suitable for shallow and coastal waters and sails almost climate-neutral. Once a year, the research area of the ALDEBARAN is Lake Constance for a few months. ALDEBARAN offers students the opportunity to explore habitats and organisms in Lake Constance on day expeditions, to conduct scientific investigations in the field of biology and technology in a practical way, to learn about topics such as microplastic contamination, sediment analysis, plankton and algae, and to do research themselves. In 2020, the project took place as a livestream for the students due to the Corona pandemic, and now in 2021 the ship and research will be experienced "live".



The project is supported by the German Marine Foundation (www.meeresstiftung.de).



Research Ship ALDEBARAN

SUSTAINABLE ACTION THROUGH UNDERSTANDING AND COMPREHENSION OF CURRENT RESEARCH METHODS AND THE DEVELOPMENT OF OWN SOLUTION APPROACHES

Research Ship ALDEBARAN

3. Benefits of the Project

Benefits of the Project for Salem Students:

- Project days "Floating Classroom" - a special kind of extracurricular experience
- Developing their own research questions and investigating them in real life with the help of scientists from various disciplines. Participation in research competitions (marine competition, youth research, etc.)
- Sensitization to the topics of sustainability, investigation of ecological, physical and chemical interrelationships.
- Through project-related preparation and follow-up in the classroom, in-depth thematic examination of the practical contents of the investigations takes place.
- Access to the ship's own laboratory and research equipment: e.g. microscope analyses, chemical sample analyses, underwater microphones, underwater robots, drones



Research Ship ALDEBARAN

4. Timeline and Costs

Project Period:

Monday, June 7 – Sunday, June 13, 2021, Lake Constance
Preparatory classes beginning in February 2021

Costs:

Daily rate for max. 10 persons	3.000 €
(incl. skipper, scientists and lunch)	

Project period 7 days	21.000 €
(different group of students every day)	



Research Ship ALDEBARAN

5. Donation Possibilities

For the realization of the project we are dependent on your help – make this valuable experience on the research ship possible for the Salem students:

For each donation you
will receive a donation
receipt



1 Day on the ALDEBARAN

Donation: 3.000 €

Project Week (7 days)

Donation : 21.000 €

Individual Donation

Amount freely selectable

DONATION ACCOUNT:

SCHULE SCHLOSS SALEM

SPARKASSE SALEM-HEILIGENBERG

IBAN: DE39 6905 1725 0002 0019 07

BIC: SOLADES1SAL



Research Ship ALDEBARAN

"IT IS IMPRESSIVE TO SEE THE ZEAL WITH
WHICH THE STUDENTS RESEARCH AND
ANALYZE ON THE SHIP AND EXPERIENCE
THEIR "WOW" MOMENTS"

Research Ship ALDEBARAN

6. Contact



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DONATION ACCOUNT:

SCHULE SCHLOSS SALEM | SPARKASSE SALEM-HEILIGENBERG

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VIELEN DANK FÜR IHRE
AUFMERKSAMKEIT

