

LEARNING BY EXPLORING



An introduction to the Educational Program of Vinson of Antarctica

Ages 9 - 17
March · December 2021

Presentation

Learning by Exploring is an educational proposal aimed at those teachers who are interested in introducing the monitoring of the navigations of the expedition sailboat Vinson of Antarctica in the learning process of their students.

Both those teachers looking for a different way of teaching in the face of new educational challenges, as well as students curious about the natural environment and sailing culture.

This Educational Program aims to be the didactic and interactive tool that will bring the teacher closer to a navigation and expedition environment, with interdisciplinary and cross-curricular content and activities related to sailing and the ocean.



**We love
what we know.**

**We only protect
what we love.**

The intention is to continue and complement the great educational task that began in the Club Escuela Deportes Náuticos -CEDENA- in Puerto Williams, Chile, in 2014, which is: to educate, transmit values and awaken new vocations related to the natural and marine habitat.

It is an educational proposal based on a real project, which can be followed live and, therefore, motivational.



Objectives

General objectives

- Share the experiences of an expedition sailboat.
- Offer a global vision of the world; to learn to observe in a more open way, awakening awareness and the capacity for objective criticism.
- Make it easier for teachers that their students learn while following the Vinson of Antarctica trips.

Specific objectives

- Educate from respect and admiration for our planet and the Ocean, understanding its fragility and risks, promoting its conservation and sustainable use.
- Encourage team and collaborative work, self-responsibility and responsibility towards other people.
- Bring the biodiversity of the marine habitat and Polar areas closer to children and young people's schools and homes, as well as provide them with the tools needed for its observation and interpretation.
- Promote the proper use of communication and information technologies.
- Promote activities in the natural environment.



The sailing boat Vinson of Antarctica and her team

The Vinson of Antarctica is a training sailboat designed and equipped to navigate the Polar regions. One of her missions is to develop an itinerant educational program, with the aim of stimulating curiosity and awakening vocations among young people.

The ship was built in Makkum, Holland. During the boreal spring and summer, the Vinson of Antarctica will sail through Northern Europe and the Arctic Ocean, in order to set sail for Chile in October. The Vinson is scheduled to arrive at Puerto Williams in December 2021, where she will prepare her expeditions to South Georgia and the Antarctic Peninsula.

Behind the educational project there is a multidisciplinary team of sea and training professionals who have in common a shared esteem and respect for nature.

Experience has shown us that the relationship between journey and sailing is an optimal path for personal growth and for the acquisition of values of respect for people.

The sea has become our school of life, and we know by experience that bringing young people closer to the marine habitat offers added value to their education.

We thank you in advance for your interest in our program. We hope that this interdisciplinary proposal will complement your educational center's curricular project.



Vinson of Antarctica Journey

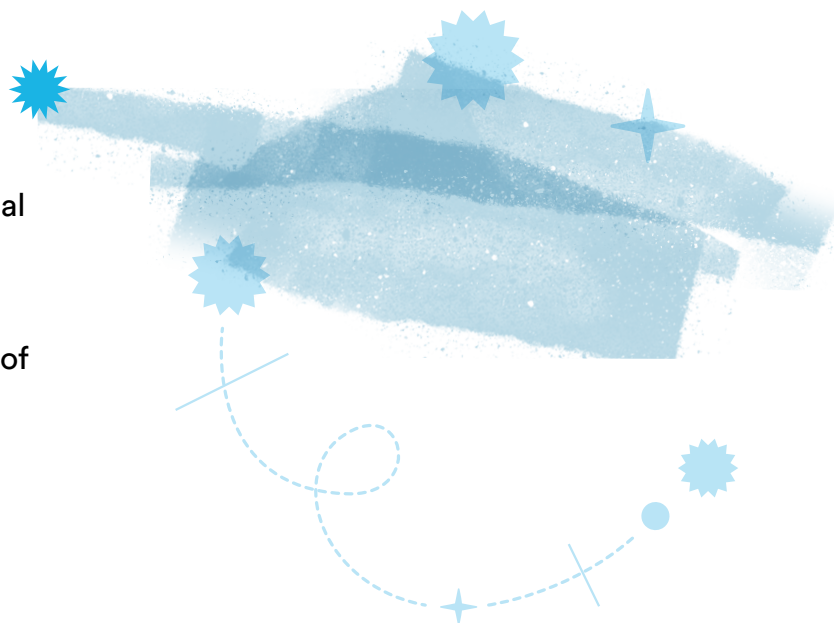


Educational Intent

Recipients

This is a project aimed especially at students from 9 to 17 years old in official educational centers.

It can also be used in other training programs that seek to take advantage of the cross-curricular nature of sailing.



Competencies to be addressed

Language communication

Mathematics and basic science and technology

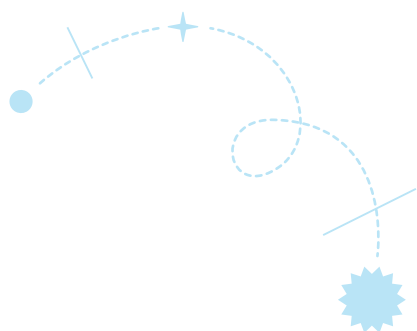
Use of digital tools

Learn to learn

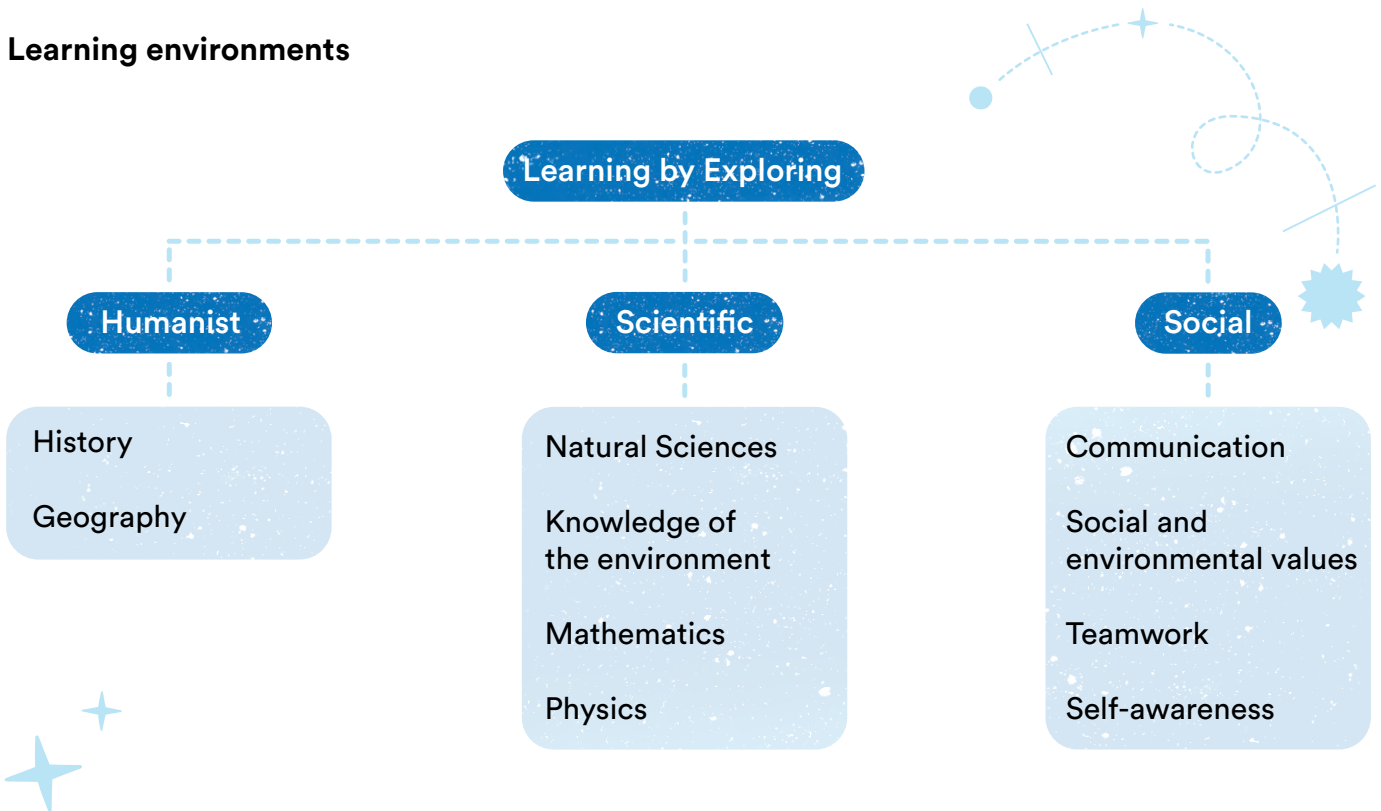
Interpersonal and civic

Entrepreneurship

Cultural and artistic expression



Learning environments



Aim of the Educational program and structure

Today's teachers are no longer transmitters of knowledge in the way they were before the digital age, but rather guide the development of student skills and encourage them to learn more.

Learning by exploring intends to be a complement to the teacher's work in the student's development through pedagogical activities and resources structured as follows:

Challenges

One Challenge per month will be proposed, which can be divided into 3 sessions, and will include different activities and exercises to be developed by the students.

Reference material

Links to websites, videos and texts that will facilitate, both the teacher and the student, the execution of the activities.

Methodological proposals

Proposal to plan the session for each Challenge.

Solutions for each of the proposed exercises.

Glossary

Basic nautical terminology, both in English and Spanish.

Ernest & Noa



Ernest, the Adélie Penguin, will accompany us all throughout the program. You will also see its image on the bow of the Vinson of Antarctica.



Noa is the oceanographic buoy that will provide relevant and fascinating information in each Challenge.

Timeline

All Challenges are directly related to the Vinson of Antarctica sailboat, her activities and voyages.

This is the reason why the schedule below could be altered if the sailboat changes her planning.

Month	Vinson	Where?	Challenge
February	Boat's launching and navigation tests	Makkum, Holanda	
March	Navigation tests	North Sea	0. Getting to know each other
April	Official delivery of the Vinson of Antarctica.	Makkum, Holanda	1. Cartographers
May	Voyage to the North Sea	England and Scotland	2. Naval Engineers
June	Voyage to the North Sea	Norway	3. Seamen
July	Voyage to the Arctic Ocean	Svalvard Archipelago	4. Navigators
August	Voyage to the Arctic Ocean	Svalvard Archipelago	5. Ice: Arctic and Antarctica. Glaciologists.
Septiembre	Return to the shipyard for last modifications	Makkum, Holland	6. The voyage. Getting ready for your journey. Explorers.
October	Atlantic navigation	North Atlantic	7. The Ocean. Ecosystem. Oceanographers.
November	Atlantic navigation	South Atlantic	8. State of the Oceans. Environmental Scientists.
December	Arrival at Puerto Williams	Puerto Williams	9. Patagonia. Beagle Channel. Life in the Channel. Naturalist guide.

Additional material

Throughout the academic year, the crew of the Vinson of Antarctica will generate more content -audio, video and images- with the aim of sharing their experiences and transmitting knowledge about sailing and the marine habitat.

Complementary activities

During the program, the school or a certain group/classroom may join the suggested complementary activities.

These complementary activities will be available in the form of:

- Virtual interviews with the crew
- Documentaries, films, etc.
- Exercises or experiments for putting into practice the contents of each Challenge.

Available resources

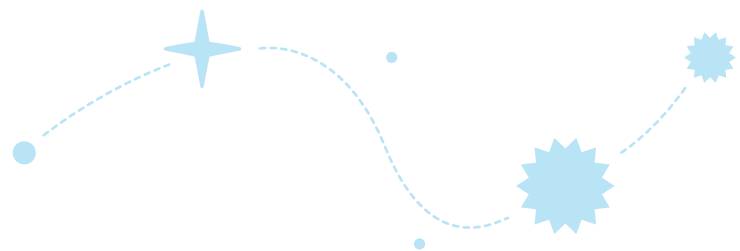
Access to teaching resources will be available in the Vinson of Antarctica website and will therefore be in digital format.

With the aim of showing an educational use of social networks, Instagram will be the platform through which we intend to energize the program, and where news and interventions of the sailboat's crew will be published.

For this reason, teachers and students will be invited to participate actively, not only to follow the Vinson, but also to share the work done in schools.

 www.vinsonofantarctica.com

 [@aprenderexplorando_vinsonofa](https://www.instagram.com/aprenderexplorando_vinsonofa)



Methodological suggestions

The tasks that we will propose will start from real situations, which can be adapted to the different rhythms and levels of learning of each student or group.

- It is an open proposal that leaves in the hands of the teachers the decision of how and when to use it.
- The contents and calendar may be addressed completely, or only those activities that are considered most appropriate.

Learn to learn

Learn to observe



- The student will need to read or investigate, and different possibilities of expression will be suggested.
- Thanks to the multidisciplinary nature offered by the marine environment, great importance is given to teamwork, not only from students but also from teachers; this will allow covering different academic disciplines.

Information and communication technologies will be the main tool to energize this program.

Learn to do

Learn to be

Content distribution

Vinson of Antarctica

Share experiences.

Create content.

@vinson_of_antarctica

Pedagogical Team

Direct contact with the school.

Publish content from the ship online.

@aprenderexplorando_vinsonofa

Educators

Develop Challenges in classrooms.

Energize students-sailboat synergies.

Other initiatives, workshops, art, readings, comics, etc.

www.vinsonofantarctica.com

Website where you will find teaching resources and suggestions to other websites.





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