Ready for Launch?
Developing A Novel Space Camp Model To Inspire The Next Generation Of Space Professionals

30th Workshop On Space Technology For Socio-economic Benefits
Session 13: "Education on space technology and applications at a level below university"

Presenter: Daniela Mera
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SIDERNAUTAS

Space, Science and Technology
Summer Camp
The first space and STEAM summer camp in Ecuador and LATAM

Sidernautas is a pioneering STEM and space-focused summer camp created as part of the education tier at the Sideralis Foundation which seeks to promote space education, technology and science as axes for development in the Latin American continent.
- **Age**
  10 to 15 years (suggested)

- **Duration**
  3 weeks

- **Number of students**
  15 to 25 students per edition

- **Structure**
  On-site classes from Mon-Thu and field trips every Friday
Sidernautas → About Sidernautas

Space Odyssey Expedition

Robotics Revolution Quest

CodeCraft Adventures

Earth Guardians Quest

Mindful Universe Journey

Exploratory Outings

About Sidernautas

Education for Education

Empowering Customization

Non-Profit Model

Implementation Standards

Cultural Integration

The Foundation
Collaborative pedagogical approach rooted in modern education principles and Scout movement values.

Curriculum co-created by educators and experts, passionate STEM professionals, local space industry engineers, and global tech company scientists.

Curriculum successfully tested with middle school students from a local high school.

Future-ready career and human skills.
Sidernautas was envisioned as more than a summer camp, it seeks to be a movement that fosters collaboration, knowledge exchange, and the growth of the space community in developing regions.
Education for Education

Replication & Collaborative Partnerships
- Vision for Replication: Designed with a vision to be shared beyond borders.
- Packaged Assets: Program assets are packaged and readily available for sharing with those who seek to implement.
- Comprehensive Lesson Plans: Each module comes with detailed, descriptive lesson plans.
- Modern Educational Tools: Modern and interactive educational tools to enhance accessibility and engagement (e.g. Genially)
Sidernautas thrives on partnerships that transcend geographical limits. An outstanding example is our collaboration with Guatemala, where knowledge flows both ways.

We're not stopping there – discussions are underway to adapt Sidernautas to Arabic and Romanian audiences, showcasing its potential to bridge cultures and languages for a united space education.

These partnerships are more than transactions; they're bridges that connect aspiring space professionals across the globe.
Empowering Customization
• Mix and match: Tailor Sidernautas’ modules to suit your resources and expertise.

• A flexible approach ensuring a personalized and adaptable learning experience.

• Empower educators to curate a camp that resonates with their students' interests.
Non-profit Model
Reinvesting funds to enrich the program, ensuring continuous innovation.

Admin fee contribution enhances the ecosystem, promoting sustainable growth.

Cycle of growth that benefits everyone involved – teachers, students, and the educational ecosystem at large.
Camp Implementation Standards
● Establishment of Implementation Standards

● Ensuring Consistency and Quality through Branding and Marketing Materials

● Brand Manuals in order to highlighting the Importance of Adhering to Standards
Cultural Integration and Flexibility
Translation: At Sidernautas, we understand that culture is the baseline of understanding. Our commitment starts with translating the entire program to align with local languages and cultures.

Adaptation: Examples, exploratory outings, and activities will be thoughtfully adapted to reflect the unique context and cultural nuances of the host country.

Celebrating Diversity: We believe in celebrating diversity as an opportunity for mutual learning, sharing, and growth in our collective space education journey.
The Foundation

About Sideralis
Since 2019, Sideralis Foundation has been inspiring a passion for space exploration in Latin America. We're dedicated to promoting space through education and acceleration programs for new participants in the field. Our mission is to boost technical, scientific, and cultural development, with a special focus on space.
Thank you.

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