

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Ignition - Primary Space Education (1)

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3 ... 2 ... 1 TAKE OFF!

Abstract

General objective Bring the children to know the operation of a Amateur Space Rocket, where they can develop engineering skills and learn about the principles of physics involved. Eventually they will build their own hydropropulsive rocket and so they can understand the importance of these vehicles for space exploration.

Pedagogical objectives:

- Involvement of basic concepts in Physics and Chemistry
- Development of skills in the field of applied engineering, focused on mechanisms and operation of aerospace vehicles
- Provide an approach through the STEM areas to a creativity development experience for the development of their own functional prototype
- Promote the interest of space launch vehicles.