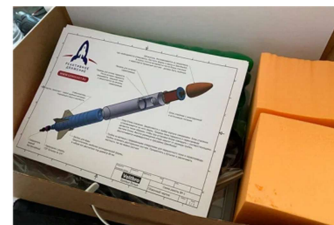
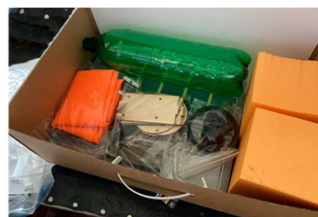
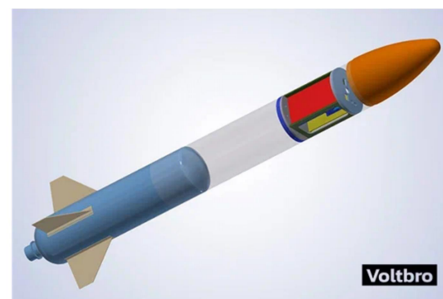




Water Rocket Education Construction Kit VRO-1 (with out Water Rocket Launch Table with Radio)



A kit for conducting rocket modeling classes based on water (non-consumable) rockets. It Includes rocket modeling course. It is aimed at students of younger age groups.

The launch of the constructed water rocket is possible in an open space with a radius of more than 50m.

To work with the constructor, you need a PC or laptop with the Arduino IDE development environment.





Education Experience:

- ✓ History of rocket science,
- ✓ Designing rocket models,
- ✓ 3D modeling,
- ✓ Manufacturing parts on a 3D printer,
- ✓ laser cutting machine,
- ✓ Electronics - Arduino,
- ✓ Sensors,
- ✓ Programming in the Arduino IDE

Engineering Skills:

- 🛠 Modeling, design,
- 🛠 Work with electronics,
- 🛠 Microcontroller programming.
- 🛠 The study of flight physics,
- 🛠 The calculation of flight characteristics and their experimental verification.

Hardware and Materials:

- Rocket body structural elements,
- Electronics kit (sensors, flight controller board),
- Radio module,
- Rescue system design.

Rocket Engine Parameters: A plastic bottle is used as a fuel tank. Water pressure in the tank is limited by bottle selection.

Number of launches: Multiple (during a fall condition with a triggered rescue system)

