



## Set "Rocket Science" for a course for 15 students



The training kit is dedicated to rocket modeling and includes the study of rockets and launch vehicles from an engineering point of view. Students will get acquainted with the basic design of modern rockets, learn how they fly and how they control the flight path. The practical component of the module provides for the design and launch of simple paper models of rockets with minimal solid-fuel engines by each student.

### Education Experience:

- ✓ The basic design parameters of the rocket,
- ✓ the ballistics of the rocket flight,
- ✓ 3D modeling,
- ✓ manufacturing of parts on a 3D printer

### Engineering Skills:

- ✓ Modeling,
- ✓ design,
- ✓ study of flight physics

### Hardware and Materials:

- ✚ Material for the manufacture of rockets - 18 pcs.
- ✚ Fairing - 30 pcs.
- ✚ Engine mount - 30 pcs.
- ✚ Rocket engine with igniter - 30 pcs.
- ✚ A set for making a corps for 30 rockets.
- ✚ Set of tools - 9 pcs.
- ✚ Grinding set - 1 pcs.
- ✚ Kit for organizing launches - 1 pc.
- ✚ Methodological Manuals on the topic "Rocket science" in electronic form.

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