

## The Department of High-Precision Airborne Devices (SM- 4)

### Speaking about your future profession:

1. I am a student of the department of High-Precision Airborne Devices at Bauman Moscow State Technical University.
2. I chose it because ... .
3. Some of the subjects we study are:
  - design features of munitions and explosive devices,
  - applied continuum mechanics,
  - theory of explosive materials,
  - etc.
4. Next year, we are supposed to choose our major.
5. I plan to study (munition design, industrial application of explosives, computer-aided research, guided munitions etc.) because ... .
6. My term project this year is devoted to ... .
7. I am doing research/design work in the field of ... .
8. The most interesting/difficult/boring/etc. aspect(s) of my research/design work is (are) ... .
9. In the future, I would like to (continue working on this topic/try something else (what?)/apply for a scholarship in Europe/etc.)

The Department is headed by Doctor of Engineering Sciences, Honored Scientist of the Russian Federation, Professor **V.V. Selivanov**.

Areas of research carried out by the Department include

- physics of explosion and high speed impact,
- numerical simulation of explosion and high-speed impacts,
- theory and design of high speed flight vehicles, capable of changing their trajectory in accordance with the given algorithm within ultrashort periods of time,
- etc.

More information and simple explanations can be found at

<https://kids.kiddle.co/Ammunition>.

### ABSTRACT (example)

The article discusses reliability aspects of electrical protection against cumulative charges. The classification of different types of electrical protection and analysis of possible electrodynamic and electromagnetic protection design schemes are presented. The vulnerability of different electrical protection designs to shaped charges and electric energy consumption are estimated.