



APEC KKU 2022



Russian Federal Educational Standard 2021

The Exemplary Curriculum in Mathematics. Grades 7-9th

Probability and Statistics



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New Federal Standard for 5 – 9

5 – 6 th: Mathematics

7 – 9 th:

Most revolutionary changes since 60s

- **Two levels (basic and profile) and two textbooks**
- **Probability and Statistics**

Standalone training course along with
traditional algebra and geometry

1 hour a week – 102 a/h in 3 years

According to the curriculum

The accumulated experience allowed to create a separate course “Probability and Statistics” for grades 7-9th, and 10-11 (next step). Educational sections (content)

- **Data representation and descriptive statistics**
- **Introduction to graphs theory**
- **Logic**
- **Sets**
- **Probability**
- **Combinatorics (permutations, combinations)**
- **Law of large numbers (descriptively)**

Main planned results

Basic level

- Statistical culture and reasonable treating data
- Understanding the law of large numbers as a manifestation of regularity in a random variability and uncertainty and the role of the law in nature, society and science

Profile level

- Preparedness to the further education in specialties related to mass phenomena (sociology, psychology, finances and financial security) and technical profiles

Regular textbook on P&S

Prepared in the publishing house
“Prosveshcheniye” (Enlightenment),
2022 – 2023

Approved by the MOE

- **Further developing of early editions**
- **Non-combinatorial approach**
- **Primacy of statistics**
- **Natural description of random changeability in the world**



Thank you for your attention!