

## Topics in Mathematics

*(18-th of July, 2022)*

Simple operations with sets, simple logical operations. Algebraic and root expressions, solution of equations, inequalities and their systems: linear, quadratic, root, absolute value. Exponential and logarithmic expressions, equations and inequalities. Trigonometric identities, expressions, equations, inequalities. Functions of different types: linear, quadratic, root, absolute value, exponential, logarithmic, trigonometric. Simple proofs with Mathematical induction.

### Recommended literature:

J. Kosztolányi, I. Kovács, and others: Colourful Mathematics 9-12 classes  
(Secondary school books, publisher Mozaik)

Evaluation: Practice Mark of three degree

Supervisor of the subject: assist. prof. Dr. Csörgő István