Algebra

Escape Rooms are useful to get students practicing in a new way. It is very important for young people to learn to work in a team in order to solve the given logical and mathematical problems. Math is a particularly convenient subject for ERs. In almost every ER, there is some sort of math problem or logical puzzle. We use math in our everyday life, so it is crucial for students to learn it, but sadly many find it too complicated or even boring. A traditional algebra lesson, for the average learner is too "dry", too hard. But practicing math through such an innovative way, as an ER, can increase the interest for this subject. The emotional boost gives the participants motivation to keep doing their math work. By solving the code cracking parts, engagement increases and a relatively disliked and complicated subject becomes a thrilling adventure. The activity options for mathematics are almost endless.

Material required

- Worksheets, locks, decoders, smartphones. etc.

Possible uses

- **Evaluating Logarithms:** there is a maze with different problems, the students solve the math problem and step on the field with the correct answer, which also has a letter. If they solved the problems correct a specific word should be formed from the letters of the correct answers.
- **Multi-Step Equations:** solve the equations and with the help of a decoder ring find the letter to the correct answer. At the end write that code in a given digital bracket for example to access a part of the mystery.
- **Multiplying and Dividing:** like the game Trimino on small triangles, on all three sides there is or a problem or an answer, the participants should match the problems to the answers so that in the end a big triangle should be formed from the little ones.

Possible restrictions

Algebra

- A basic or even advanced knowledge of mathematics is required, depending on the difficulty of the problems.

Is it inclusive for SLD?

Yes, but some students with dyslexia, dysgraphia or dyscalculia could have some difficulties and that could create frustration.