

Paper physics or physics with paper

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The contribution presents about twenty physics experiments that have in common the fact that they use ordinary office paper. Most of the experiments are suitable as student experiments that can increase interest in physics, natural sciences and lead to deeper thinking by students from upper and lower secondary schools.

Thematically, the experiments fall mainly into mechanics and concern, e.g., mass, density, Newton's laws of motion, aerodynamic drag, centre of gravity. It is typical for these experiments that, in addition to office paper, only a few easily accessible items are needed to prepare and perform them, e.g., scissors, glue, a pin, a ruler.

Some of the experiments connect physics with mathematics. They can be implemented as Inquiry Based Science Education (IBSE) and can therefore strongly support scientific reasoning of students.