Low-Cost Experiments in STEM Education



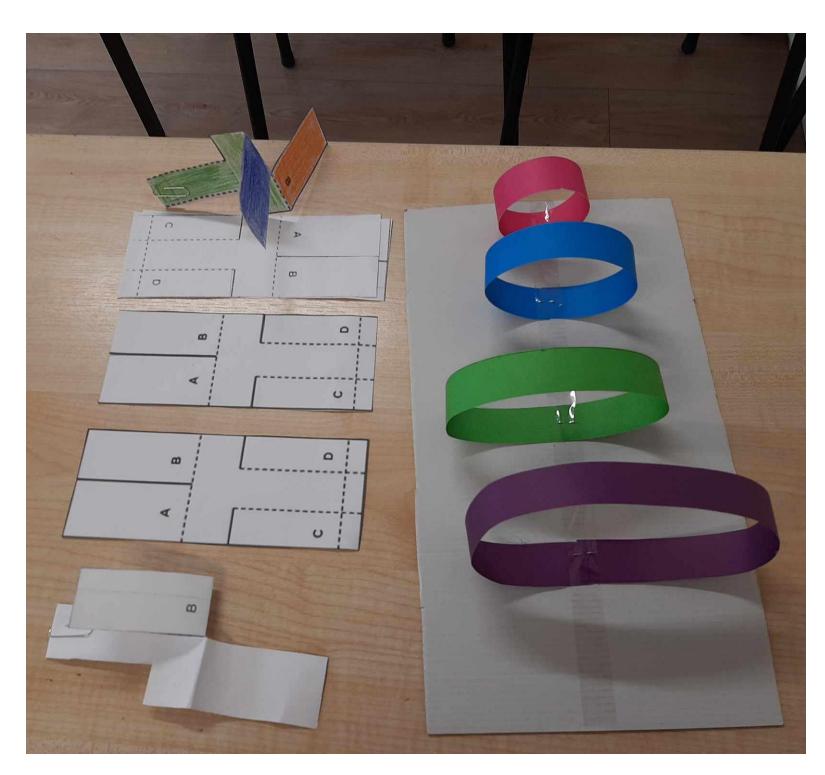
Mrs. Ewa Miara | Herbert Secondary School | Częstochowa | Poland

How Many Experiments Can Be Done with a Piece of Paper?

In my project I want to show that we can prepare a lot of experiments with the use of simple materials, for example, a sheet of paper. Among experiments there are: the law of inertia, air pressure, capillarity, balancing Bernoulli's objects, law, resonance phenomenon, friction, properties of materials to its shape, convection, musical instruments, optical illusion. All experiments are joined together in a form of a story. The story was written while doing experiments, but it can be done in a reverse order. Students can write a story and find experiments to present it.









You can conduct experiments using very simply materials and thanks to this all students in the classroom can be involved.