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Science Kit - Riedenburger Modelle 8-01

The Science Kit Riedenburg Model is a series of experiments for science education. The experiments are individually packed in drawers to fit in a standard cabinet. Each experiment is accompanied by printed instructions.

The experiments are selected based on the Bavarian curriculum for grade 8 secondary schools and middle schools in the teaching of nature and technology. There are 19 experiments included, out of which 15 are student experiments and 5 are teacher experiments.

The devices of the teacher experiment are provided once. The number of devices for the student experiments is customized to allow 5 groups to conduct experiments at the same time. Detailed experiment instructions with didactic notes (teacher and student sections), photos of the experiment and a risk assessment are provided for all experiments. These documents are supplied in paper form, but can also be accessed digitally using a QR code.

Experiment Topics

Burner's licence

Heating liquids

Physical process or chemical reaction?

Endothermic and exothermic reaction

Detecting metals in salts

Burning magnesium ribbon

Detecting acids and alkalis

The acid-base reaction

Propagation of sound

Bacteria

Magnetic field lines

Oersted's experiment

Electromagnet

Electromagnetic induction

Generator

Electric motor

Transformer