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Science Kit - Riedenburger Modele 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