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Science Kit - Riedenburger Modelle 5-01

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 5 secondary schools and middle schools in the teaching of nature and technology. There are a total of 21 experiments included, out of which 13 are student experiments and 8 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

Times of day and seasons

Solar and wind energy

Expansion of air, liquids and solids

The bimetallic switch

Heat radiation

Heat conduction and heat flow

Tasks of the skin

Refraction of a beam of light

Lenses

Spectral colours

Physical properties of substances

Mixing and separating substances

This article is still under development.