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Science Kit - Riedenburger Modelle 5-01

The Science Kit Riedenburg Model is a group 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 6 secondary schools and middle schools in the teaching of nature and technology. There are a total of 20 experiments included, out of which 11 are student experiments and 9 are teacher experiments. The devices of the teacher experiment are available 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

Microscopy

Electrical conductivity of water

Surface tension of water

Water conduction pathways in plants

Water decomposition

Hydroelectric power generation

Soils as water storage and Water Filters

Photosynthesis

Erosion

Measuring forces

Forces in equilibrium

Buoyancy in water

Friction force

Law of levers

Sloping Plane

Solid and loose rolls

Velocity and inertia

This article is still under development.