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Science Kit - Riedenburger Modele 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.

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