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Science Kit - Riedenburger Modele 7-01

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 7 secondary schools and middle schools in the teaching of nature and technology. There are 19 experiments included, out of which 12 are student experiments and 7 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
Components of air
Atom models
Properties of air
Detection of carbon dioxide
Combustion: Ignition temperature and degree of fragmentation
Combustion considered in chemical terms
Flight of birds
Breathing and cardiovascular system
Smoking damage
Simple circuit
Series and parallel circuit
Alternating circuit
Measuring voltage and current
Node and mesh rule
Electrical resistance
Ohm's law
Volta element

This article is still under development.

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