Systèmes Didactiques s.a.r.l.
Equipement pour l'enseignement expérimental, scientifique et technique

Date d'édition : 01.11.2026



Ref : 2066016

Science Kit - Riedenburger Modele 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.

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