

# BASIC SCIENCE KITS

## PHYSICS

### OVERVIEW OF THE RANGE OF TOPICS

With about 100 simple experiments, basic aspects of mechanics, thermodynamics, electricity and optics are treated.

*Pictured experiment:  
Measurement of a wire's voltage with Micro-CASSY*



# MECHANICS

Topics	Experiments
Measurement of length and time	6
Measurement of mass and Forces	4
Lever, pulleys and inclined plane	5
Oscillations and velocity	8
	3

Number of Experiments **26**

100  
EXPERIMENTS

# ELECTRICITY

Topics	Experiments
Electrostatics	4
Simple circuits	6
Electrical circuits	11
Magnetism	4
Electromagnetism	5
Electrochemistry	3

Number of Experiments **33**

# OPTIK

Topics	Experiments
Propagation of light	2
Ray paths	7
Lenses	5
Optical instruments	7
Colors	1

Number of Experiments **22**

# HYDROSTATICS HEAT

Topics	Experiments
Pressure in fluids	4
Forces acting on bodies in water	5
Temperature	3
Thermal expansion	3
Evaporation and condensation	1
Heat flow	3

Number of Experiments **19**