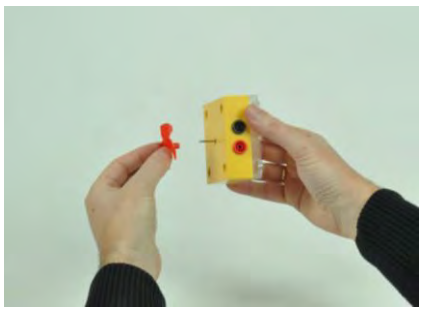
WIND POWER STATION

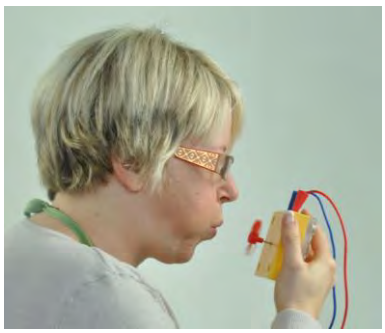
AES 3.1

"Blow" a lamp to glow! Do you think you can manage?

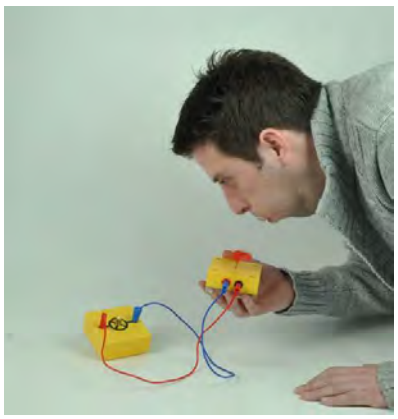


Experiment:

- Put the propeller on the engine/generator-brick
- Screw in the lamp 2.5V into the lamp socket of the brick



- Connect the two bricks with the cables (blue and red, 75cm)
- Powerfully blow the propeller (in a "normal" blowing angle, distance approx. 5 cm)



- Watch the lamp

Result:
Through powerful blowing on the propeller, the lamp starts glowing.

Physical explanation of the energy conversion:
Mechanical energy (rotation of the propeller) gets converted into electrical energy (generator).
This electrical energy is then converted into light- or heat energy.

Cross reference to practise:
With this experiment you recognize the principle of a windwheel.

Name advantages and disadvantages of the use of big windwheels.

Are there windwheels or windparks in your area?

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