

## **Interactive path to understanding the concept of energy**

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**Abstract.** Energy gains new social importance both with the oil crisis as well as with unexpected cosmological discoveries. Teaching the concept of energy turns out necessary already at the early stage of education, otherwise it seems to be a resource which is produced in electric plants.

Interactive experiments on energy, forming an educational path

<http://dydaktyka.fizyka.umk.pl/pazurki/galileo.html>

allow experiments with different forms of the mechanical energy (rotation, elasticity, potential, kinetic) and various examples of their mutual transformations. In our path entitled "Going downhill, i.e. everything on the inclined plane of Galileo or, in other words, how to change the potential energy into the kinematic one, having a lot of fun" we also indicate potential energy as the reason for objects to fall or slide along an inclined plane. If so, the introduction of the friction is also natural: we show with a heavy lead block sliding along the plane that eventually all forms of energy turn into heat.

Multimedia resources will be presented for a remote walk along the energy-concept path.