



## SCN-F002

### Function

Intended for the study of referential, position, movement and trajectory, mobile, trajectory and displacement, difference between displacement and distance traveled, referential. Cartesian reference system, scalar quantity, vector quantity, frictional forces, Newtons first law of motion, the frictional force depends on the nature of surfaces in contact, frictional force in relation to the area of  $\mu\mu$ contact, Leonardo Da Vinci s empirical law of friction, coefficient of static friction, friction versus Newtons first law of motion, frictional force kinetics, experimental determination of the mechanical advantage of the inclined plane, condition of equilibrium of a mobile on an inclined plane, diagram of forces, etc.

### Knowledge areas

Physics - Math & Science Fundamentals - Compact Kits

