Magnetic spectrum set, magnetism

SCN-F006J

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Magnetism, matter and energy. Looking at the lines of magnetic force around different magnets. The magnetic field. The lodestone, magnetism and the compass. The magnets, or lodestones, and their magnetic poles. The interaction between the magnetic poles of magnets. The lines of magnetic force outside and inside the magnet. Knowing the lines of magnetic force on the outside of different magnets. Identifying the magnetic field vector at a point, in each of the observed configurations. Observing the lines of magnetic force around magnets and objects within their magnetic field. A ferromagnetic body inserted in the magnetic field around a magnet alters this field. The variation of magnetic lines of force due to the inclusion of a ferromagnetic material. The density of magnetic lines of force in regions around magnets close to each other. The lines of magnetic force around a magnet are one of the ways to magnetize a ferromagnetic object. Identifying the poles of the magnet with a compass. Changing the field configuration around a magnet by inserting ferromagnetic materials into it. The magnetic field passes through the human body. It is impossible to separate a pole from a magnet. Interactions between the magnetic poles of magnets, repulsion and attraction, etc.

Knowledge areas

Physics - Compact Kits

Level

High school