

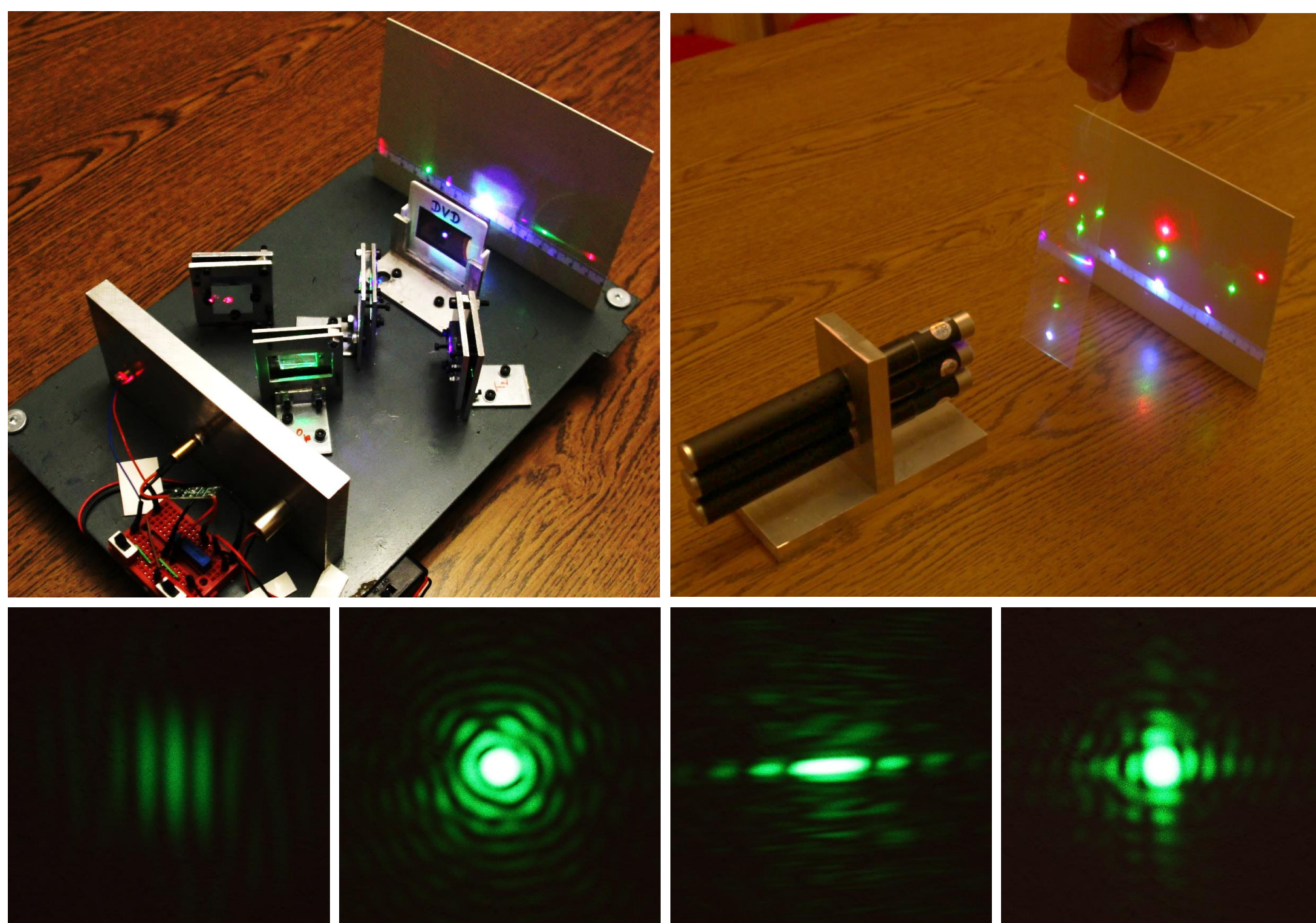
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## The hidden secrets of the visible light

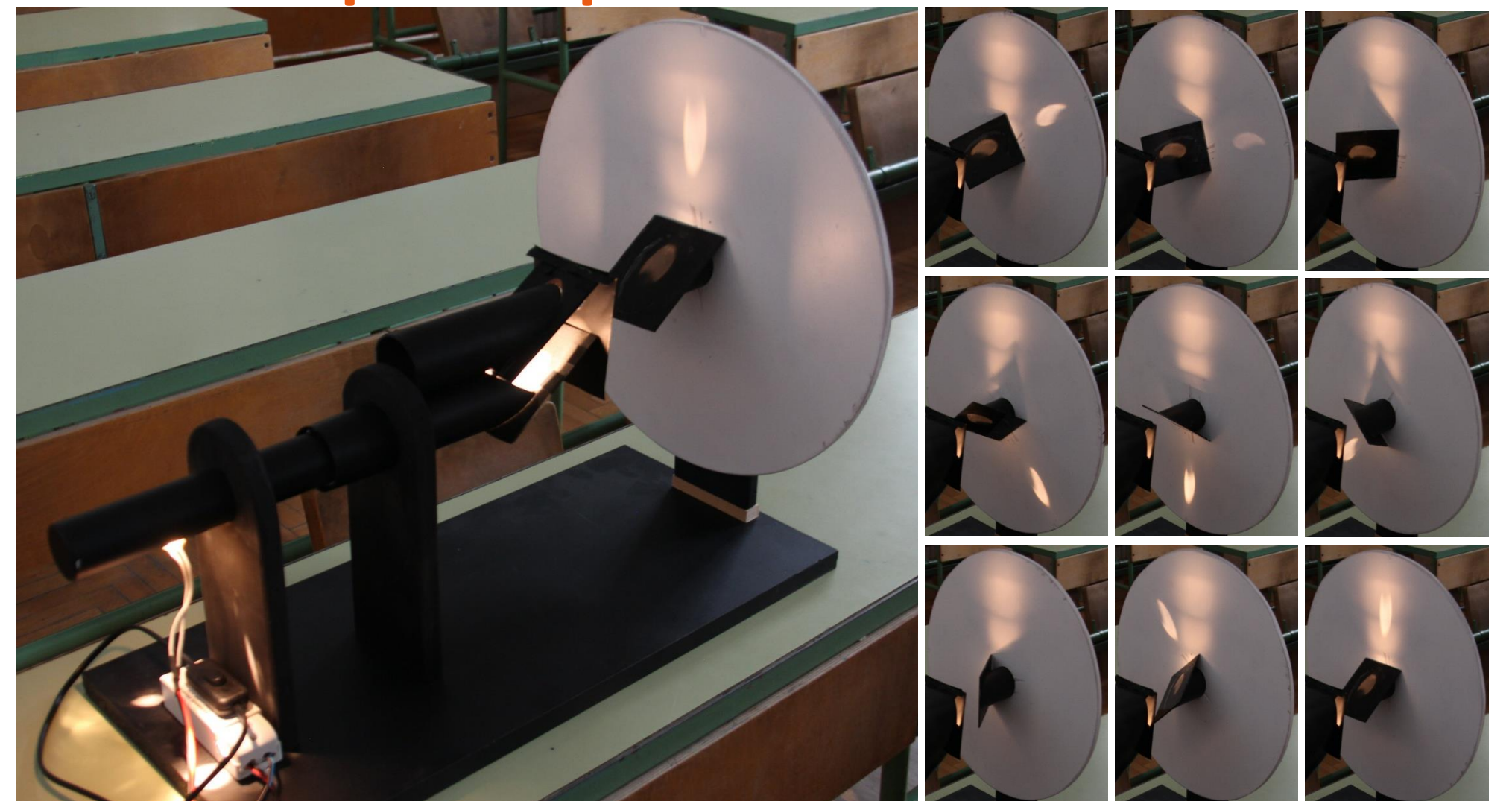
### The wave property of the light

A significant part of the information about our environment is obtained by the help of visible light. However, the wave-characteristic of light remains hidden for us. The project presents experiments which proves the wave-characteristic of light with the help of simple tools available for everyone. Different physical phenomena like light interference, diffraction and polarization are shown in their respective ways by using mobile phones, cheap electronic devices and other means of everyday use available almost for free. These can sufficiently contribute to motivating students in their studies of science.

#### RGB diffraction demonstrator



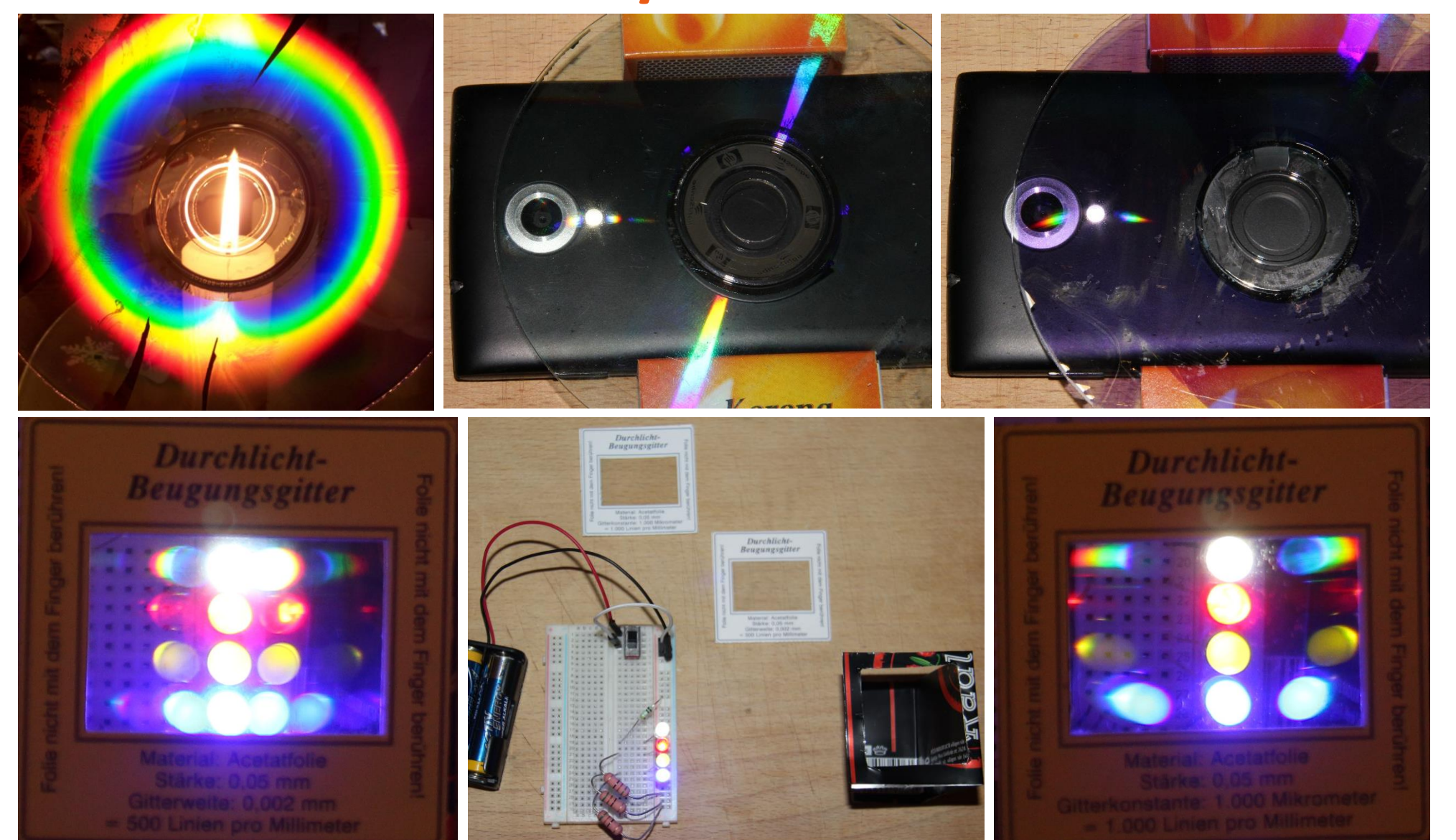
#### Brewster-periscope



#### Polarization at home/classroom



#### Diffraction at home/classroom



By doing experiments using simple, everyday tools, students can feel science has come very close to them, because they can physically take things in their hands, they can do the experiments themselves and they can draw conclusions.