

T1_31 CCD IN YOUR POCKET

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Personal computers are fully accepted in education. Other digital gadgets are less current in schools. Mp3-, mp4-players, mobile phones and digital cameras are in every child's pocket. These gadgets are packed full with modern technology, like CCDs, LCDs etc. Pupils have a positive attitude toward modern high-tech products. Therefore it is practical to promote them as demonstration- and experimental tools in schools. We can use them in physics education: mechanics (stroboscopic photography, time-lapse photography, measuring energy transformation, freefall, measuring speed), optics (self-diffraction, NIR-sensitivity, polarization, colour mixing). The interactive poster shows some of the developments, what we successfully integrated into the education of future physics teachers.