

T4_66 MULTIMEDIA ON PHYSICS FOR TRAFFIC SAFETY EDUCATION
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One of the aims of physics education in the High School system is to ensure applicable knowledge and skills for all the life. The education should be connected with concrete examples from daily life and scientifically to explain the reasons of consequences. Traffic safety and decreasing the traffic victims is one of the main priorities of EU. Aim of EC the number of victims to be halved by concrete actions. A European Charter for traffic safety was created and an appeal all social groups to take part by concrete applicable actions for its realization was proclaimed. There is a closed connection between speed of driving, stopping distance of a vehicle, force of impact and the risk of causing dead of pedestrians and passengers. There is a term "safety speed" in the training content on Traffic Safety without any concrete explanations how to determine it. Recommendations in the Curricula on Traffic Safety for High School system for creation of methodical relationships between Traffic Safety subject and Physics and Mathematics are given. Aim of that is mastering training mater and connections between physical parameters like mass, speed, time, length of rout, movement and interaction between bodies, momentum, shock, forces and weight, work, power, energy etc. Students master the theory but multimedia products for visualization and real processes presentation of vehicle stopping and shock are needed. The expectations are creation of long term impressions in the students that will help for their lifelong reasonable participation in the traffic. Aim of the paper is to activate multimedia products on Physics and Mathematics on European level in help of students Traffic Safety education and culture. Concrete schemes of key examples connected to Traffic Safety are presented in the paper and a simple multimedia of stopping process as well.