

Bringing The Streets Into The Classroom: Using Augmented Reality In Primary Schools To Teach Road Safety Awareness

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Abstract

Constable Care Child Safety Foundation, in partnership with augmented reality design company DSBS, have developed a world-first road safety learning application for primary schools. The curriculum-linked app lets teachers run engaging augmented reality road safety lessons in the classroom on their school tablets, delivering real-time pre-post measurement and post analysis of students change in knowledge in pedestrian, cyclist and public transport learning areas.

Students engage in interactive decision-making in relation to portrayed risks such as road crossing, school zones, bus stops etc. A gamification reward approach motivates students to correctly identify answers. Two separate experiences tailored to younger (4-7 years) and older (8-11 years) children have been developed, providing different age-appropriate experiences.

Teachers control the experience in class, starting it and stopping it through a master app, seeing student progress in the learning scenarios in real time, and accessing additional road safety teaching material to further enhance their experience.