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Augmented reality improves mental abilities of children with autism

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The innovative technology improves mental abilities, says educational expert

Augmented reality is of considerable help to children with disabilities and children with special educational needs (SEN) - autism, Asperger's syndrome, ADHD, and others. So says Veska Aleksieva, an experienced educational expert, regarding the products of Duard, a European-based company specialising in augmented reality



This relatively new technology has shown rapid growth in recent years and has already been successfully implemented in advertising, marketing and the entertainment industry, but its use in health care is also increasing. Thick textbooks of anatomy are being replaced by augmented reality, and surgeons can use it to help their colleagues from a distance; special glasses with augmented reality help the visually impaired to cope more easily with their daily tasks. However, the world is just now beginning to speak about the invaluable help that augmented reality can be of children with disabilities and

SEN.

Veska Aleksieva has years of extensive experience working with children with disabilities. According to her, augmented reality in mobile applications can definitely be a very appropriate tool for the entertainment and education of such children. After working with the AR products of Duard (forthcoming mobile application "Get to know the animals with AR", the innovative AR puzzle "Red Riding Hood", and others), she stated that the various incentives can more than satisfy these children's basic needs:

- development of mental abilities;
- stimulation of visual thinking and imagination;
- development of the children's social competence;
- overcoming fears;
- development of emotions;
- creating habits, related to caring;
- development of motivation and enthusiasm;
- fun, joy and pleasure;

One of the guiding principles in working with children with special educational needs is the necessity for them to be given frequent instructions when carrying out a series of actions (i.e. the information to be given to them gradually and in small steps).

Augmented reality or AR is an innovative technology which interacts with the real world by injecting digital content. With its help, computer-generated objects can be seen in the real world. Generally, augmented reality is a medium that combines virtual reality and elements of the real world. In the most common case, the users use their smartphone cameras to see digital objects in the physical world.

Source:

<http://duard.eu/>
