ABC: The Interactive Lego Game- A Great Investor in Children's Brains and Futures

AlDalaeen, Raneem (School: Al-Hasaad Al-Tarbawi School)

The early years are the best opportunity for a child’s brain to develop the connections they need to be healthy, capable, successful adults. The use of electronics has become extremely widespread in recent times. Childhood is a very suggestive age for electronics to have an impact on a person’s brain development. Not only is excessive electronic use generally unhealthy, but it is also linked with ADHD symptoms during childhood. The most vital reason behind the lasting negative effects screen viewing ,even of educational programs, has on children is that children experience limitations in ?exibility of transferring information learned from 2D media to corresponding 3D objects referred to as the transfer deficit phenomenon. For overcoming the transfer deficit phenomenon, in the ABC Interactive Lego Game the child uses all senses and moves his/her muscles while building with Lego, accomplishing our goal of making the child connect and apply what is seen on screen to real life. ABC will use a socially meaningful character for the child to interact with by communication and instructions, which educate and entertain the child. As well, ABC holds interactive conversations with the child by asking rhetorical questions, conducting a coherent narrative the child can interpret easily. Thereupon, the transfer deficit effect can be ameliorated; resulting in a complete successful learning process for the child. In conclusion, ABC the interactive Lego game is a smart alternative for parents who tend to educate their children through modern ways that cater to their needs and learning styles in a safe as well as beneficial and effective way.

Awards Won: