

# Investigating the use of Brainfingers for children with cerebral palsy for spatial-motor education

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This study involved weekly meetings with two children, each diagnosed with Cerebral Palsy, in which the participants used Brainfingers to play computer games and other mathematical software. Brainfingers is a device which allows the user to control and communicate, hands-free, through a computer by reading surface brainwaves and eye movement.

We were able to quantitatively and qualitatively conclude that both children showed improved patience and communication in their summer program classes at Danbury. We also determined that both children's computer use abilities increased and one child showed drastic improvements in attention span and capability to complete the task at hand.



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