

ICT AND INTERNET USAGE IN EARLY CHILDHOOD EDUCATION




A decorative border of various science-related icons in blue, including a lightbulb, a brain, a globe, a microscope, a test tube, a DNA helix, a star, a rocket, a cell, a virus, a leaf, a magnifying glass, a book, a calculator, a plug, a molecule, a water molecule (H2O), a graph, a lightbulb, a brain, a globe, a microscope, a test tube, a DNA helix, a star, a rocket, a cell, a virus, a leaf, a magnifying glass, a book, a calculator, a plug, a molecule, a water molecule (H2O), a graph, and a lightbulb.

The amount of technology used by children.

- ✘ Children spend an average of seven hours a day using screen media, including one to two hours a day for those under age two.
- Ninety percent of parents report that children below age two watch some form of electronic media.




How technology is used by children.

- ✘ Most parents admit to using screen time as a distraction, peace keeper, or babysitter while adults do household chores (AAP, 2011).
 - ✘ Technology is only effective when teachers mediate its use with the same developmentally appropriate practices they apply to any other type of learning experience (Plowman & Stephen, 2005; 2007).
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The negative effects of technology use by children.

✘ For children aged one to three, background television reduces the amount of time they play and diminishes their focused attention when they do play (Schmidt, Pempek, Kirkorian, Lund, & Anderson, 2008).



The negative effects of technology use by children.

✘ Children in households with heavy media use (that is, where the television is on all or most of the time) are read to less often (25 percent less for three- to four-year olds and 38 percent less for five- to six-year-olds) than in other households with low or moderate media use (Ride out & Hamel, 2006).



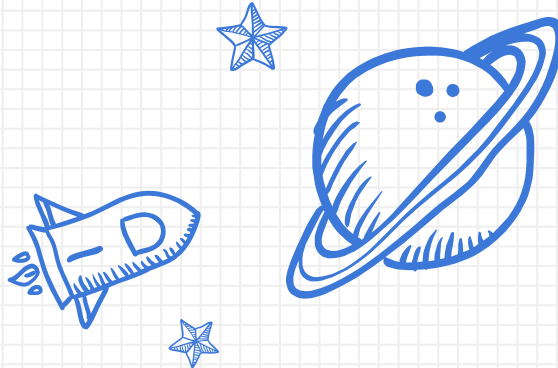
The positive effects of technology use by children.

✘ “Active, appropriate use of technology and media can support and extend traditional materials in valuable ways ... both cognitive and social” (NAEYC & The Fred Rogers Center, 2012, p. 7). For example, computers allow young children to manipulate shapes (mathematics) with greater dexterity than they can manage by hand and often promote collaborative (social) problem solving (Clements, 2002).

Top Early Childhood Education Websites

- ✘ Teach Preschool
- ✘ Wise Owl Factory
- ✘ PreKinders
- ✘ The First Grade Parade
- ✘ Miss Kindergarten
- ✘ Erica's Ed-Ventures
- ✘ Let the Children Play
- ✘ Kindergarten Lifestyle
- ✘ Kindergarten Kindergarten



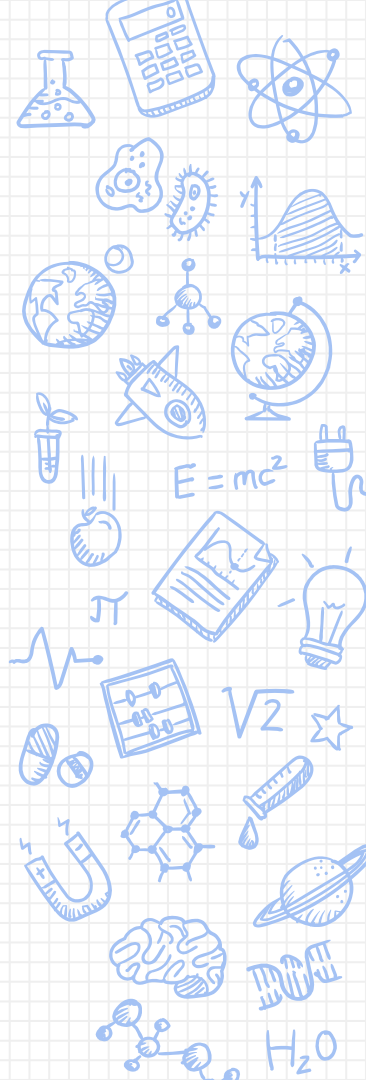


10 ways kiddies can benefit from technology and active screen time

Better Hand-eye Coordination



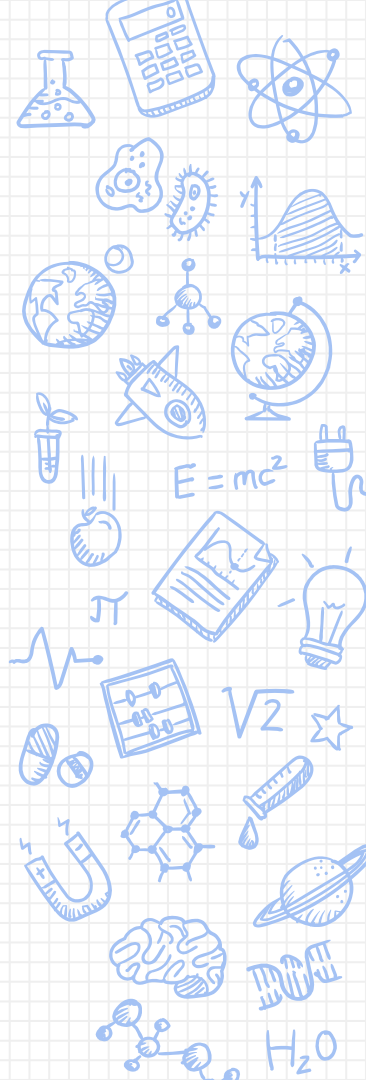
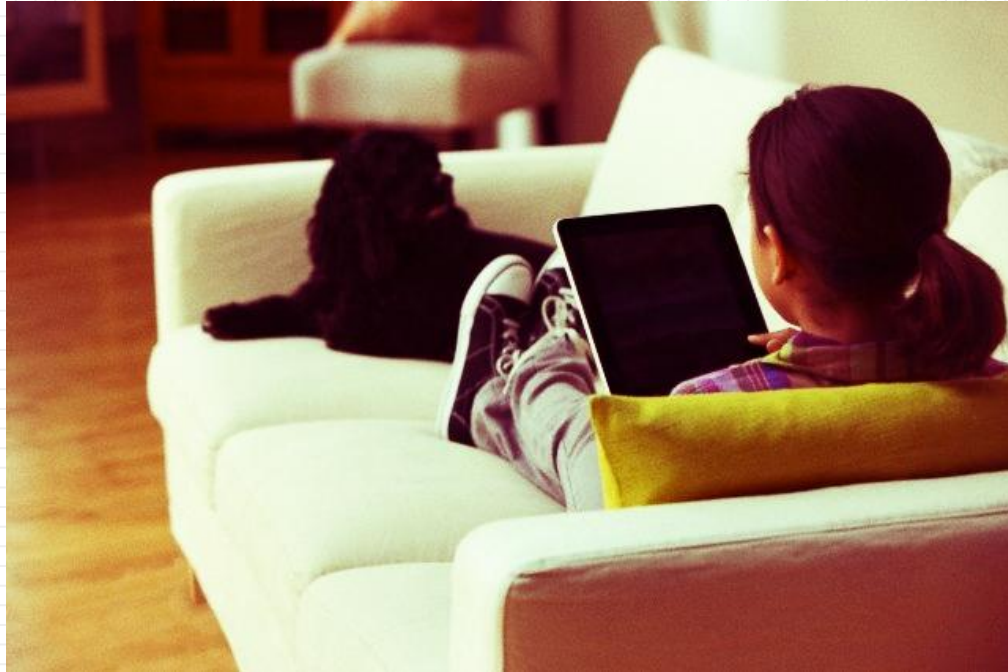
Improves Language Skills



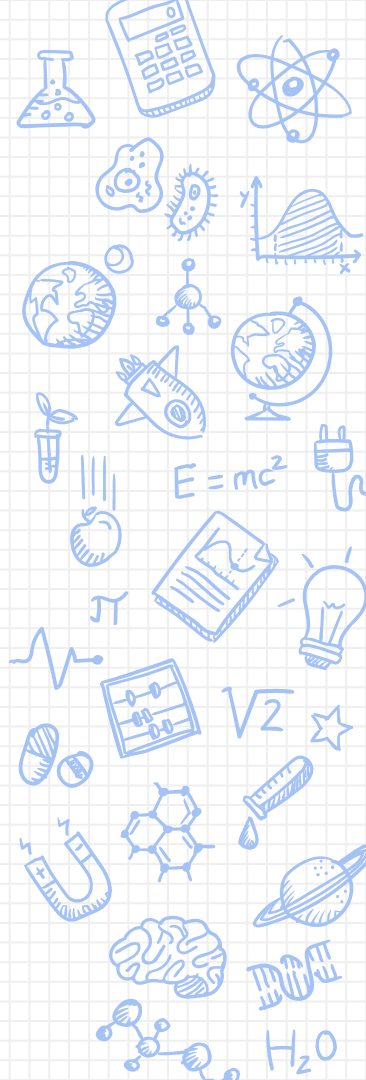
Higher Capacity for Visual Attention



More Dynamic Spatial Skills

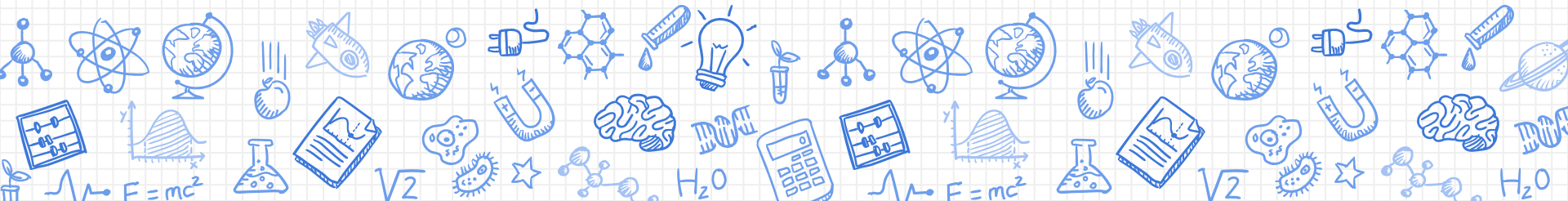
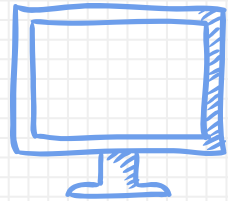


Expands Horizons



Advantages of Internet on children

- 6) The internet provides the ability of emails. Free mail service to anyone in the country.
- 7) Platform for products like SKYPE, which allow for holding a video conference with anyone in the world who also has access.
- 8) Friendships and love connections have been made over the internet by people involved in love/passion over similar interests.
- 9) Things such as Yahoo Answers and other sites where kids can have readily available help for homework.
- 10) News, of all kinds is available almost instantaneously. Commentary, on that news, from every conceivable viewpoint is also available

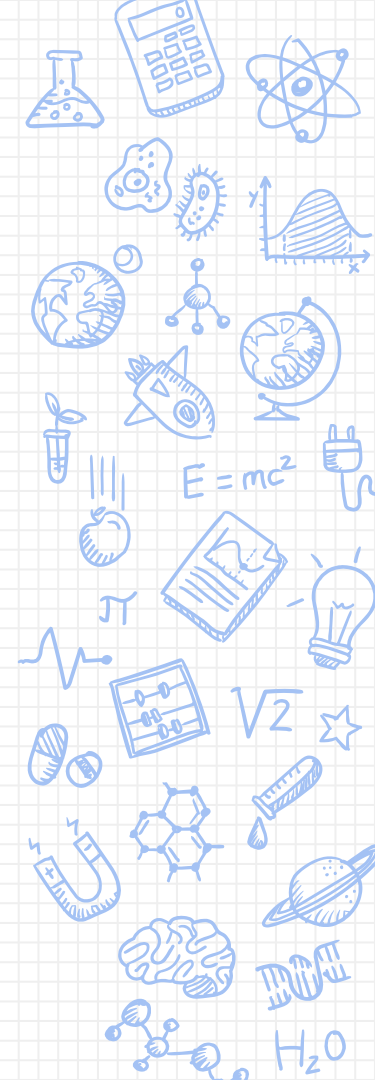


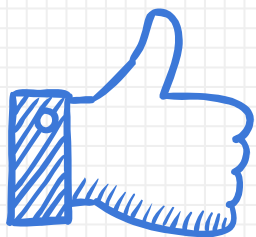
UNBELIEVABLE ways to make *slime*

SMART SCHOOL HOUSE



Plan two attractive activities based on internet resources in teaching and learning ECE





THANKS!

Any questions?

You can find me at

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