But Not In Excess

While technology has huge benefits, children still need to experience objects and situations for themselves. Also, a child’s understanding of the real world increases through all of their senses, not just sight and sound. Nevertheless, the benefits of technology are too great to turn down. Children learn in so many different ways, why not help them to succeed by creating lesson plans based on those differences!
According to the Early Childhood Technology Today Survey more than 50% of teachers as well as administrators said children use technology 5 days a week in their classroom and less than 10% of them said children use technology less than once a week.

**How child uses technology in the classroom?**

- 35%- a balance of half teacher directed and half child initiated learning activities
- 28%- mostly child initiated and partly teacher directed
- 23%- mostly teacher directed and some child initiated

The way the technology can be used with the children has been shaped to accommodate the cognitive development of the child. The cognitive development information is based on the theories of psychologists Jean Piaget and Lev Vygotsky.

**Vygotsk’s Theory**

**Social Development Theory** -social interaction plays a fundamental role in the development of cognition

**Sociocultural Approach** -places more emphasis on culture affecting and shaping cognitive development

**Zone of Proximal Learning** -the range between what a child can achieve on their own and what they can achieve with the

**Guided Participation** -child engages in tasks aided by an adult

**Piaget’s Theory**

**Developmental Stage Theory**

- **Sensorimotor Stage**: infants construct knowledge of the world by coordinating experiences with physical interactions with objects
- **Pre-Operational Stage**: children's increase in play and pretending; child can't see things from different points of view
- **Concrete Operational Stage**: characterized by the appropriate use of logic; child's thought process becomes more mature and “adult-like”
- **Formal Operational Stage**: intelligence is demonstrated through the logical use of

**Benefits**

- Technology will allow lesson plans to be adapted to the child’s own personal need, instead of a teacher teaching every one the same. A child can succeed in school no matter the way they learn.

- According to Piaget a child develops through play and pretending. Technology increases the options for play and allows them to take on my roles to play, without the need of physical items.

- Technology also allows children to work together to learn information and solve problems in interactive games in a fun and exciting way!