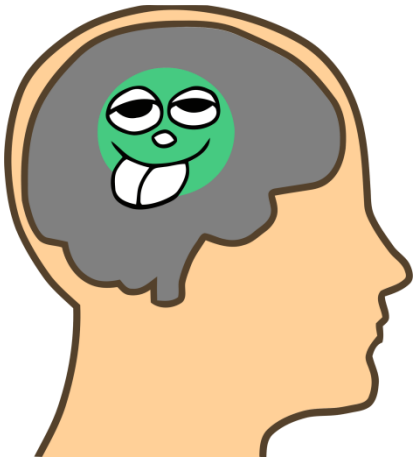



Brain Growth



**How does your brain
grow?**



No one can emphasise enough the importance of brain development in early childhood education.


The first six years of one's life is significant for the brain to develop fully.



The Beginning


The brain of the human foetus develops rapidly, especially in the last three months before birth.

The brain of a new born contains 100 billion neurons and this biological material is ready to use!



Experiences before birth have already made an impact; neurons are active and active brain cells can generate minute amounts of measurable electrical activity. This is found in the parts of the brain that deal with vision and hearing.

Have you ever wondered why new borns recognise sound, such as a song that has been sung to them whilst they are in the womb?



The brain of a baby weighs about 350g at birth. This weight trebles over 12 months to 1000g by the age of one!

This is caused by the brain cells becoming heavier because of the many connections that have been made between neurons through experiences.



Making connections

Children need to repeat and practise in order to firm up connections.

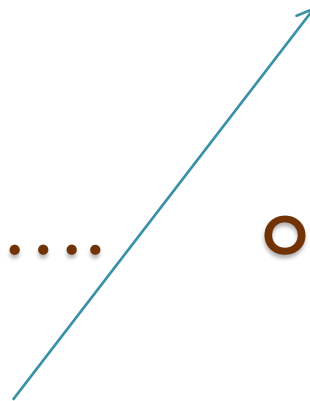
“The cells that fire together wire together”

This firms up neural connections until they form the complex neural pathways on which to build more learning.

Paths to success

There are many ways to learn,
how did you learn?

Like this....



or this....

