Parenting, Brain Development & Altruism

Grav

matter

density

Age: 5

More

Modern parenting may hinder brain development, research suggests

- Parenting-to-Perfection = Lack of Resilience
 - Lack of Resilience? Unable to cope, tantrums
- Neglectful Parenting = Lack of Trust
 - Lack of Trust? Unable to socialize or trust relying on others, cooperation
- Comparison of Self vs. Comparison to Others
- Lack of Self-Resilience + Lack of Trust + Comparison to Others = Low Self-Esteem
- "Sweet Spot" of Parenting = Build Self-Resilience & Trust



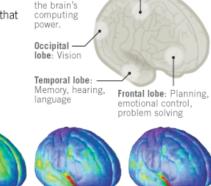
Growing a Grown-up Brain

Scientists have long thought that the human brain was formed in early childhood. But by scanning children's brains with an MRI year after year, they discovered that the brain

undergoes radical changes in adolescence. Excess gray matter is pruned out, making brain connections more specialized and efficient. The parts of the brain that control physical movement, vision, and the senses mature first, while the regions in the front that control higher thinking don't finish the pruning process until the early 20s.

Gray matter becomes less

dense as the brain matures.



Parietal lobe:

Spatial perception

Grav matter: Nerve

fibers that make up

cell bodies and

the bulk of

Source: "Dynamic mapping of human cortical development during childhood through early adulthood," Nitin Gogtay et al., Proceedings of the National Academy of Sciences, May 25, 2004; California Institute of Technology

Adolescence

Less

dense

Human social interactions often involve two parties who want to maximize their own outcomes while reaching a mutually satisfactory result. A sign of increasing maturity is the shift from a more selfish focus to an increased tendency to consider the benefits to others. This new perspective occurs over the course of childhood to adolescence.