

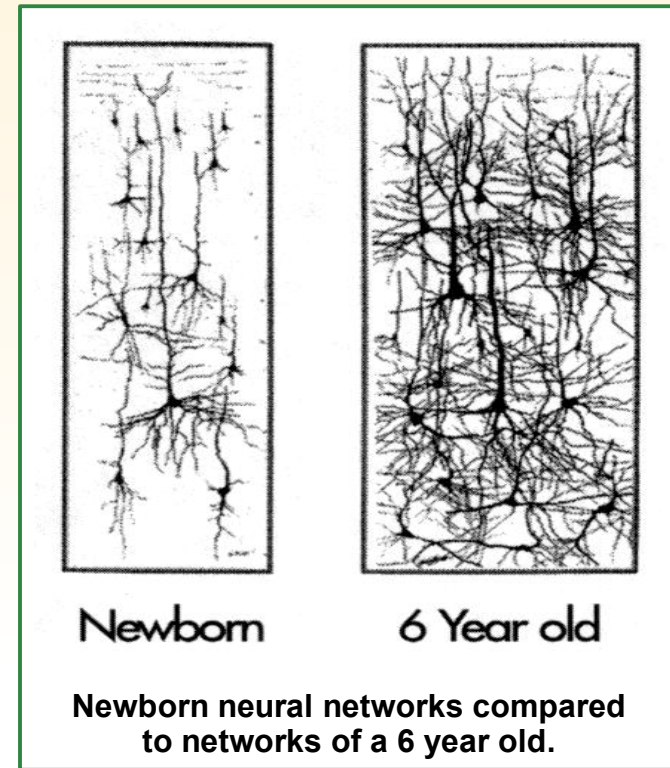
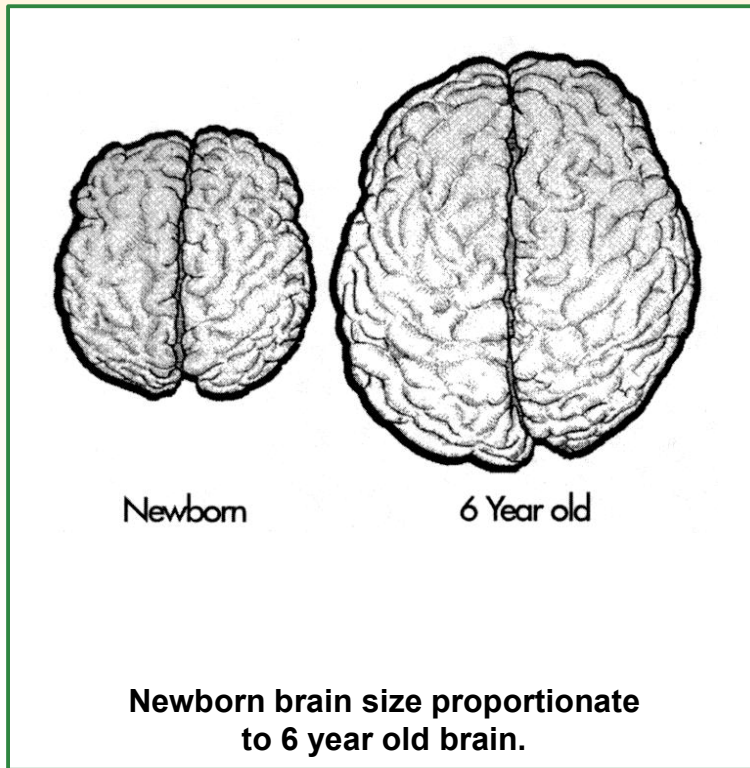
Birth to Five Matters



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Birth to Five Matters 2

Birth to Five Sets the Stage for Future Success or Failure

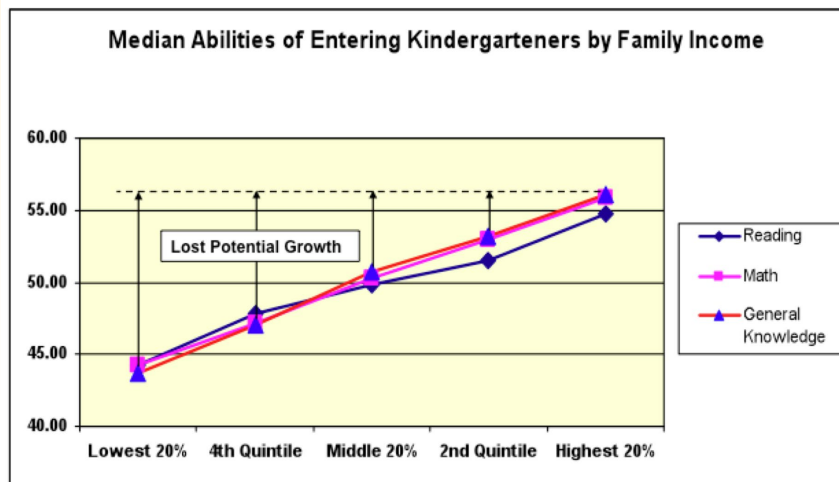


Early experiences from Birth to Five profoundly affect children's future learning, behavior, and health.

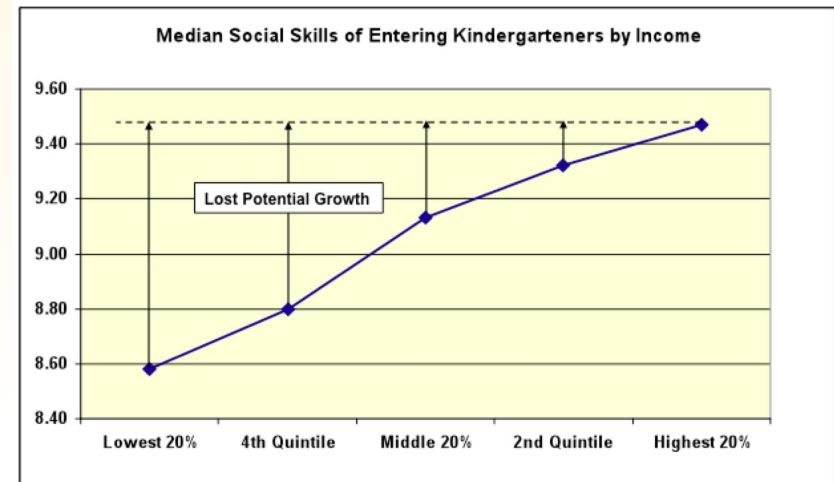
Birth to Five Matters 3

Differences in Early Experiences Result in “Readiness Gaps” between children of poverty and their more affluent peers.

Cognitive Development Gap



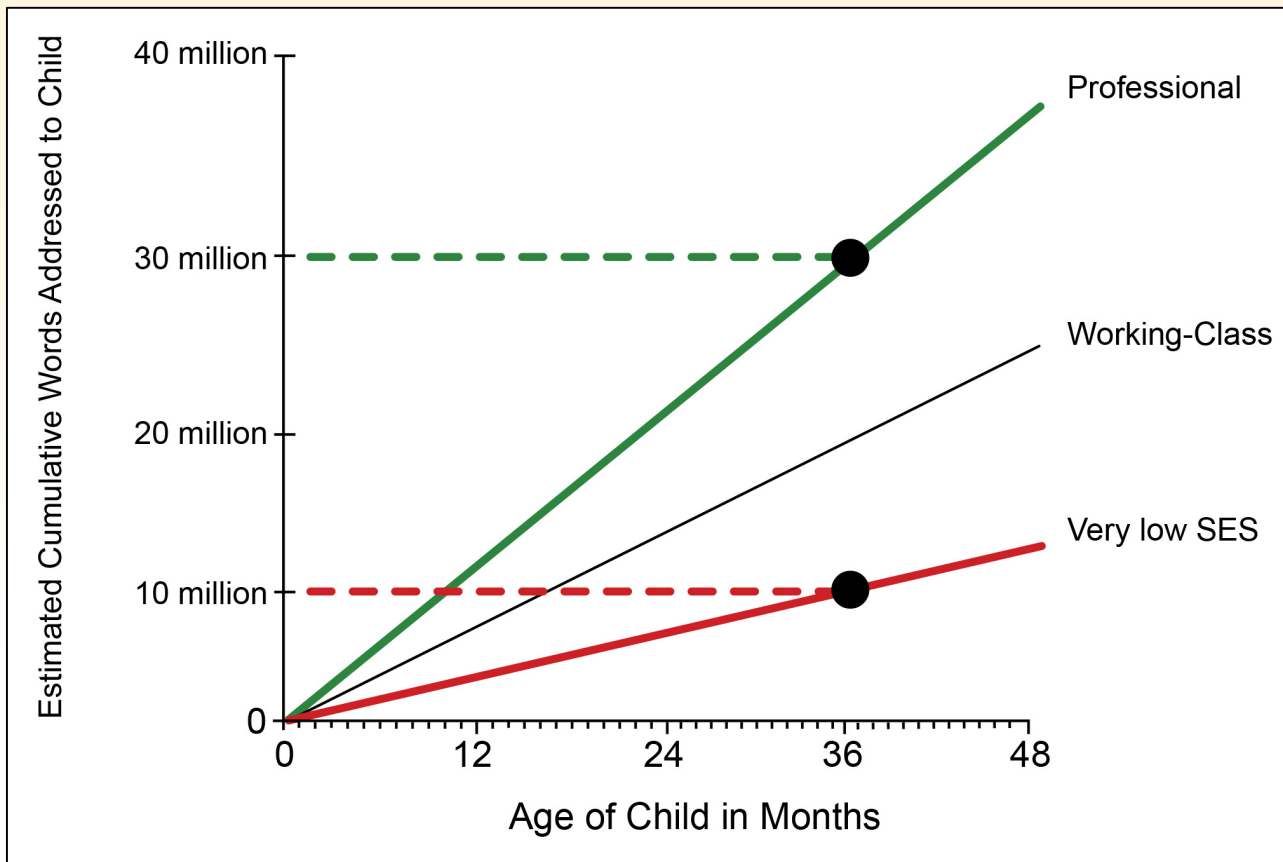
Social Skills Gap



Barnett, W. S. (2007). Original analysis of data from the US Department of Education, National Center for Educational Statistics, ECLS-K Base Year Data files and Electronic Codebook (2002)

Differences in Language Experiences

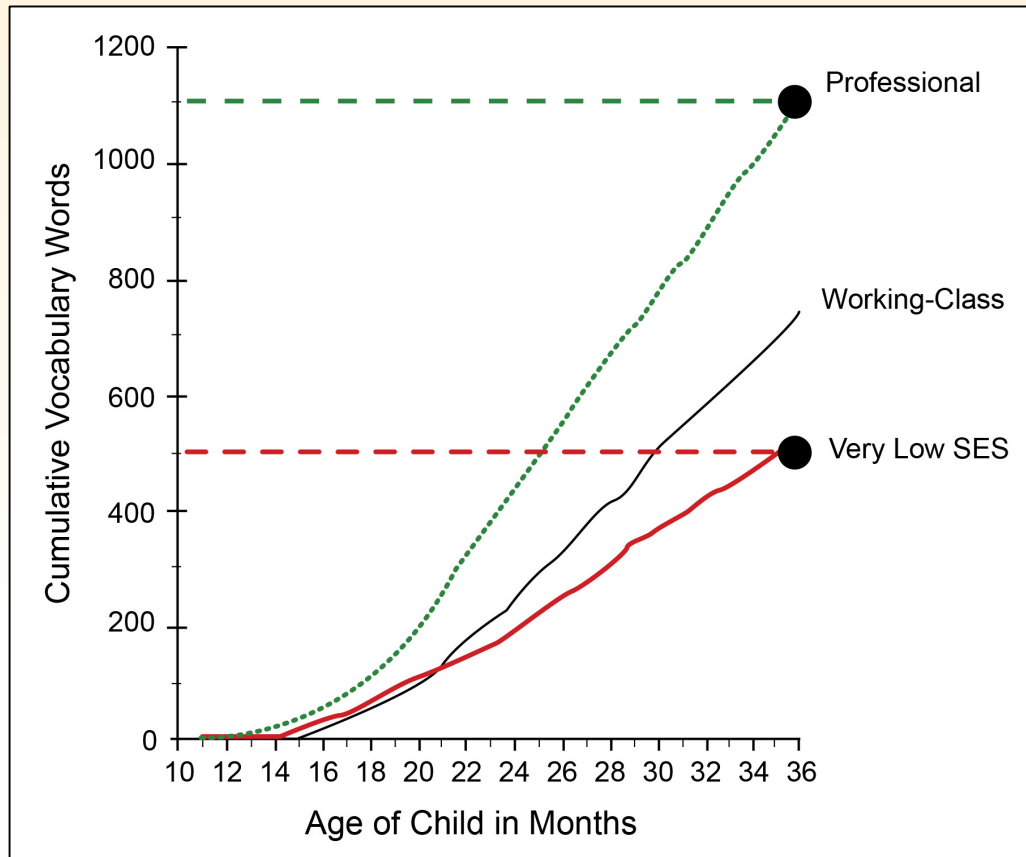
Language Experiences Matter Greatly



Hart, B., & Risley, T. (1995). *Meaningful differences in the everyday experience of young American children*. Baltimore: Brookes.

Differences in Vocabulary Size

Cumulative Vocabulary Words



Hart, B., & Risley, T. (1995). *Meaningful differences in the everyday experience of young American children*. Baltimore: Brookes.

Differences in Access to Books

Books at Home and in Classroom Libraries

Income	Books at Home	Books at School
Middle Income	199	392
Low Income	2.6	54
Lowest Income	0.4	47

Smith, C., Constantino, R., & Krashen, S. (1997). "Differences in Print Environment: Children in Beverly Hills, Compton, and Watts." *Emergency Librarian*, 24 (4), 8–9.

Children Birth to 5: Learning Sponges

- Children learn what they hear most frequently – *Amount Matters*
- Children learn words for things and events that interest them – *Experiences Matter*
- Interactive and responsive environments build language – *Talking With, not at, Matters*
- Vocabulary and language development are reciprocal processes - *Engaging in Frequent Conversations, Matters*

Source: Kathy Hirsh-Pasek. (2001). *Language for reading: Lessons from the crib for the classroom.*

Birth to Five Matters 4

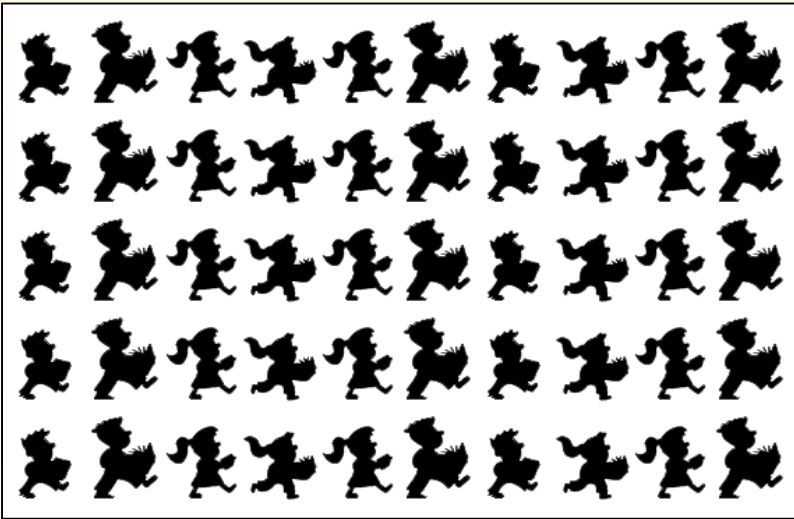
Children Who Start School Behind are UNLIKELY to Catch Up

Children who enter kindergarten with limited readiness skills are more likely to develop reading difficulties and require remedial education.

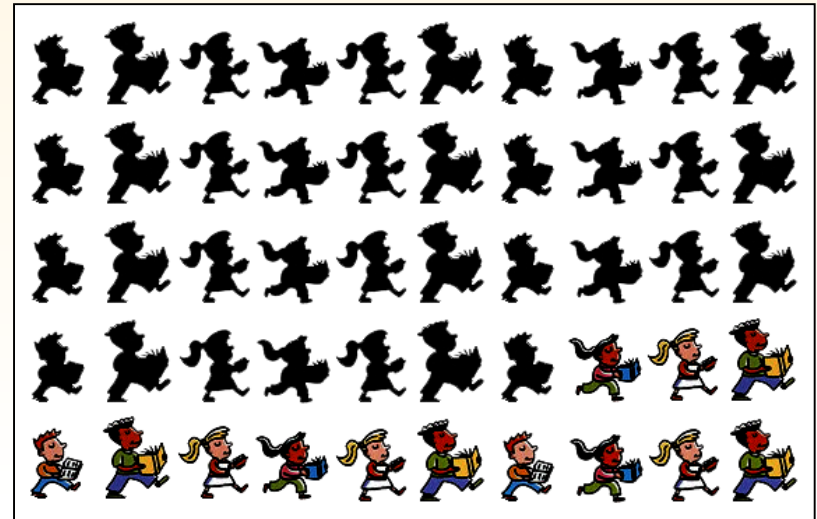


“Readiness Gaps” Often Turn Into “Achievement Gaps”

If **50** third graders are poor readers, then **37** of them are still poor readers in ninth grade.



Third Graders



Ninth Graders

Juel, Connie. (1988). Learning to read and write: A longitudinal study of 54 children from first through fourth grades. *Journal of Educational Psychology*, Vol 80, 437-447.

Conclusive Research Findings

- Long term studies tracking outcomes for children receiving high-quality Early Childhood Education (ECE)
- Overwhelming evidence showing strong positive impact of quality ECE

Studies include:

- Perry Preschool Project
- Abecedarian Project
- Barnett Study of Studies
- Entwisle Socialization Study
- Federal Reserve Economic Impact Analysis

Return on Investment is High

Dollars invested in quality ECE yield extraordinary public returns resulting in better working public schools, more educated workers, and less crime.

Short Term	Long Term
Fewer retentions	Higher rate of school completion
Fewer special education referrals	Preparedness for future labor force
Increase in early education jobs	Higher income and tax payments
Employees spend wages, pay taxes	Lower criminal justice and prison costs
Centers purchase goods and services	Fewer social welfare payments

Art Rolnick and Rob Grunewald, Federal Reserve Bank

Return on Investment is High 2

Schools can expect to save more than \$11.00 per child for children who benefit from quality early learning experiences because these children are less likely to require special or remedial education.

National Institute for Early Education Research, 2002.

Return on Investment is High 3

The return to society for each dollar invested in quality early childhood programs range from **\$1.80 - \$17.07.**

Karoly, L. A., Kilburn, M. R., & Cannon, J. S. (2005). Early childhood interventions: Proven results, future promise. RAND Labor and Population, RAND Corporation.

Birth to Five Matters 5

Investing in Quality ECE is Less Expensive than the Alternatives

About 82% of all Americans in prison are high school dropouts. It costs about \$20,000 a year to house a prisoner. In comparison, a year of high-quality preschool costs about \$4,800 and has been shown to decrease the rate of arrests during the teenage years by 40%.

The Committee for Economic Development, 1991.

Birth to Five Matters 6

Investing in Quality Early Care and Education is a Wise Investment

High-quality early childhood programs serving children Birth to Five can lead to improved child, school, and community outcomes.