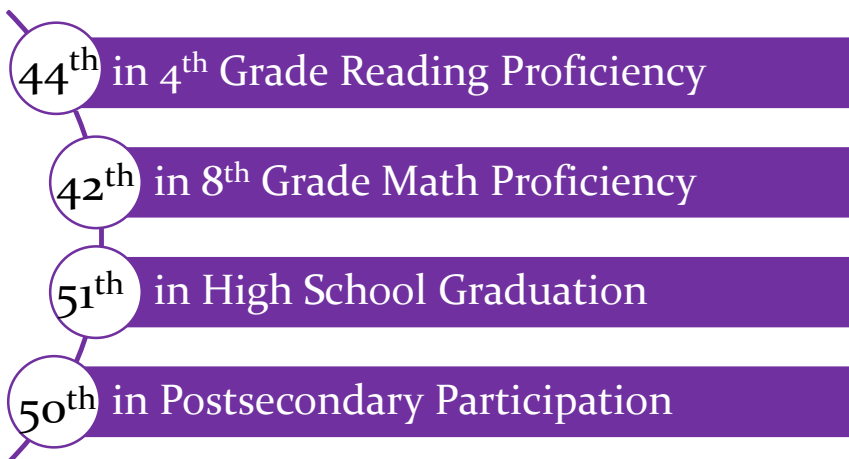




Children's
Advocacy
ALLIANCE

Early Childhood Education and School Readiness in NV

Education in Nevada



Why Early Learning Programs?



90% of brain growth occurs by age five. Disadvantaged children can show up at kindergarten already **18 months behind** and knowing **half** as many words.



If children start school ready to learn, they are **twice as likely** to read at grade level by third grade.



If children read at grade level by third grade they are **4 times** more likely to graduate from high school.

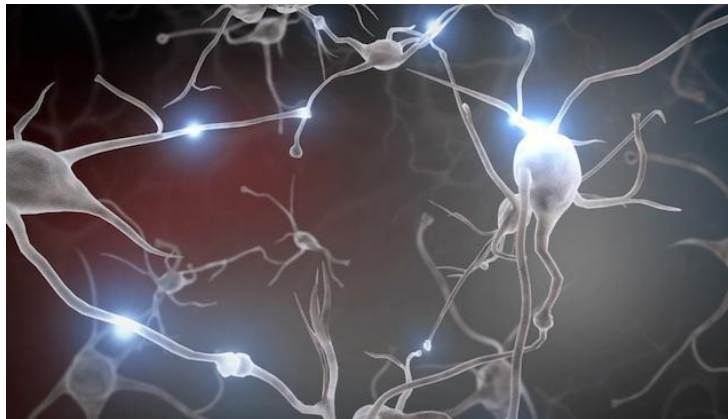


If U.S. children graduate from high school, on average they will earn \$500k more, live 9 years longer and be 6 times less likely to be arrested. In OECD countries, similar gain is \$250k for men, \$150k for women

Source: ReadyNation and America's Edge a project of the Council for a Stronger America. "The Business Case for Investing in Early Childhood Development."

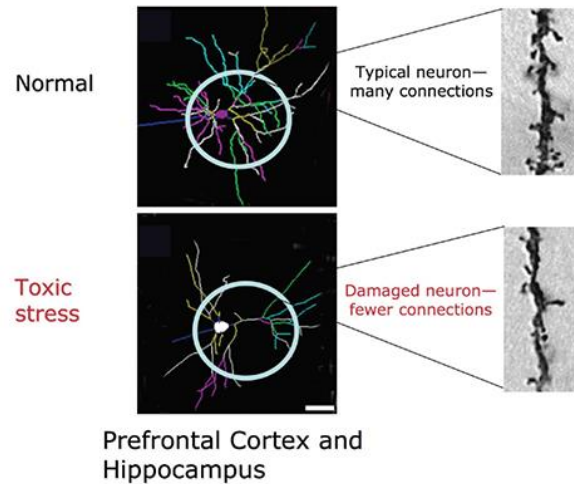
The Brain Science Behind ECE

90% of Brain Development Occurs BEFORE Age 5



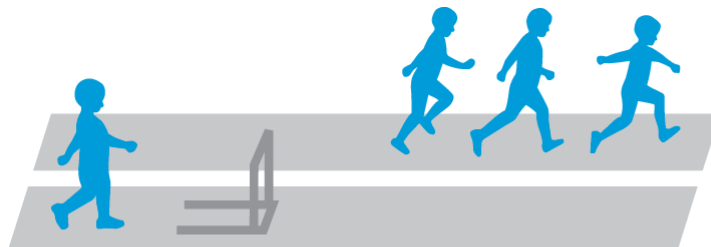
Source: Center on the Developing Child at Harvard University

Persistent Stress Changes Brain Architecture



Source: Radley et al (2004); Bock et al (2005). Credit: Center on the Developing Child.

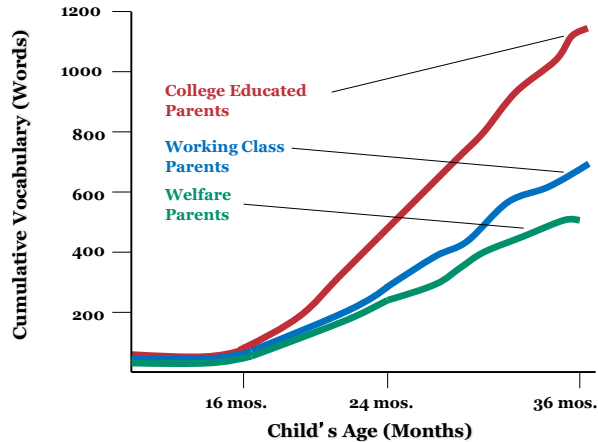
School Readiness for Nevada's Children



BY AGE 4, THE AVERAGE LOW-INCOME CHILD FACES SIGNIFICANT BARRIERS AND IS
18 MONTHS BEHIND
 MORE AFFLUENT PEERS.

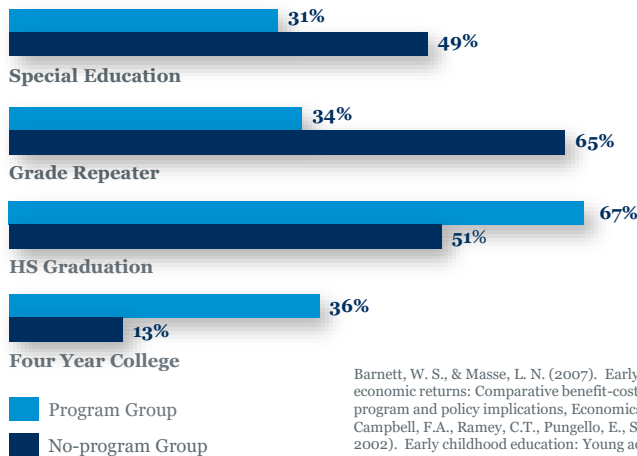
Source: <http://www.earlyedgcalifornia.org/our-issues/kindergartenreadiness/index.html>

Kindergarten is Too Late to Start



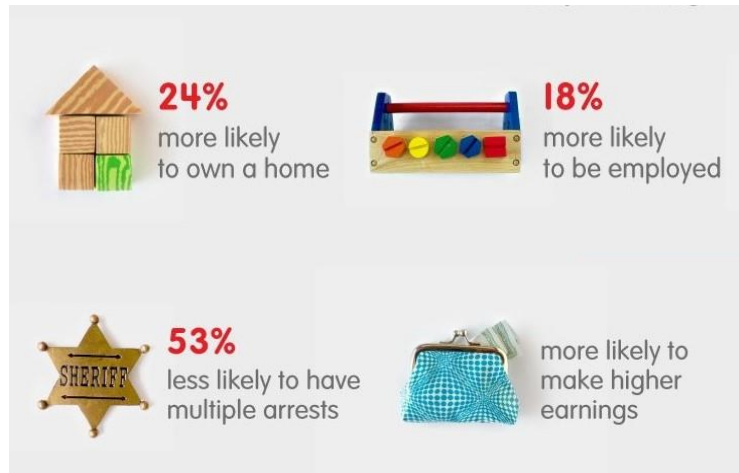
Source: Hart, B., & Risley, R. T. (1995). *Meaningful differences in the everyday experience of young American children*. Baltimore: Paul H. Brookes.

Impact of High Quality Early Learning Programs



Barnett, W. S., & Masse, L. N. (2007). Early childhood program design and economic returns: Comparative benefit-cost analysis of the Abecedarian program and policy implications. *Economics of Education Review*, 26, 113-125; Campbell, F.A., Ramey, C.T., Pungello, E., Sparling, J., & Miller-Johnson, S. (2002). Early childhood education: Young adult outcomes from the Abecedarian Project. *Applied Developmental Science*, 6(1), 42-57

Benefits of Preschool Beyond the Classroom



Source: <http://www.sesameworkshop.org/what-we-do/our-initiatives/early-education/early-education-infographic/>

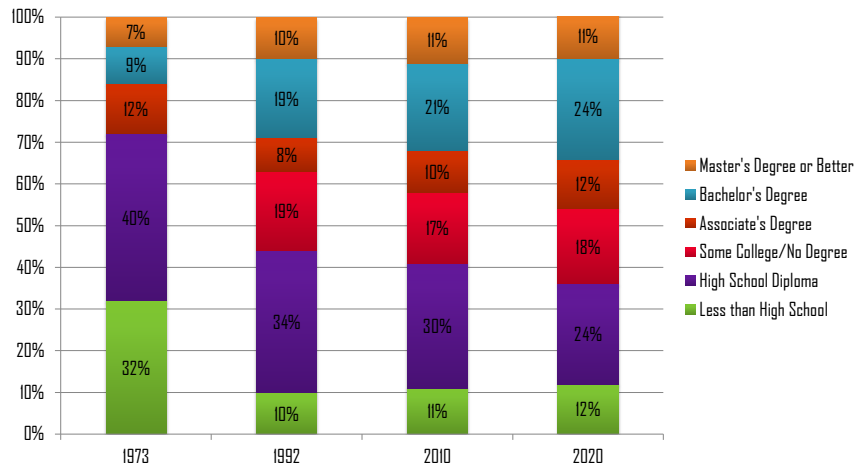
The Role of Preschool in Building a Workforce

BY AGE 5, MANY JOB SKILLS HAVE ALREADY BEEN ESTABLISHED



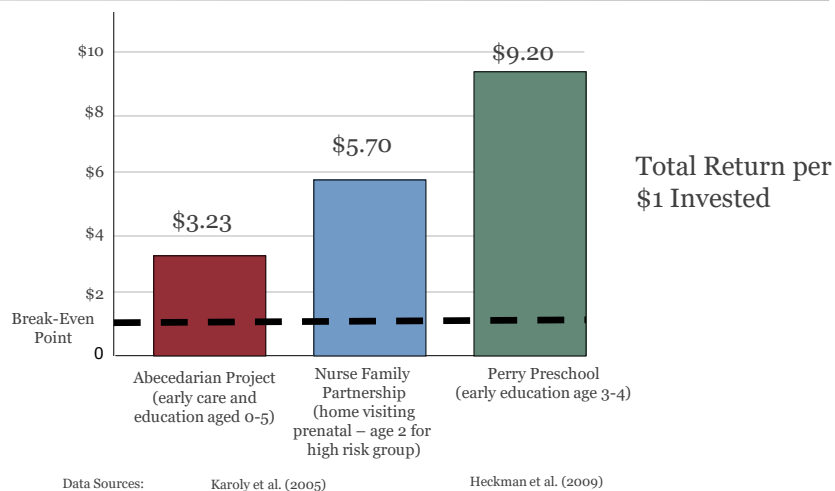
Source: <http://tinybold.com/first-five-years-fund-designathon/>

21st- Century Job Requirements



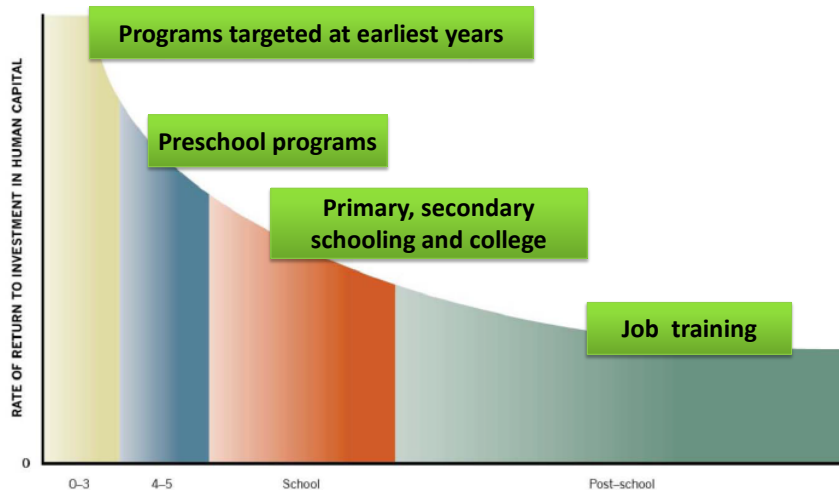
Source: Carnevale, Anthony P.; Smith, Nicole; and Jeff Strohl. "Recovery, Job Growth and Education Requirements Through 2020." June 2013. Georgetown University. <http://www9.georgetown.edu/grad/gppi/hpi/cew/pdfs/Recovery2020.FR.Web.pdf>

Return on Investment



Graph Courtesy: Center on the Developing Child at Harvard University

Rate of Return on Investment in Human Capital by Age



Source: James Heckman, 2000 Nobel Laureate in Economics. Schools, Skills, and Synapses, *Economic Inquiry*, 2008.

Early Education in Nevada

- 226,796 children age 0-5¹
- 49,228 – total EEC supply¹
 - 9,356 in HS and PreK
- 92 (out of 881) with national accreditation¹
- 69% of 3-4 year olds do not attend ANY type of PreK program (US average: 54%)²
- 42% of licensed staff have <HS Diploma¹

¹ 2014 Demographics Report, Children's Cabinet

² American Community Survey

Current Initiatives to Increase Quality & Access

- NV DOE – Office of Early Care and Development
 - Nevada Ready! Preschool Development Grant
 - Silver State Stars Quality Rating Improvement System
- Pay for Success/Social Impact Bond Project
- Strong Start for Children: Building Nevada's Future
- The City of Las Vegas Innovations in Education
- NV CCDF Plan
- Public Preschool (State, Zoom, ELL, Title I, Striving Readers)

Policy Recommendations:

- Child Care Development Fund Contribution / Child Care Subsidy
- Silver State Stars QRIS
- Funding Formula & SIBs
- ECE in Teacher Pipeline Expansion
- Business Tax Credits for ECE Support

Denise Tanata
Executive Director
702-228-1869
Denise.tanata@caanv.org

Or visit caanv.org

