A Birth-thru-3rd Grade Education Continuum: Setting the Stage

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Governor's Symposium: College and Career Readiness Begins at Birth
Naperville, IL
April 10, 2014

Goals for this morning

- *Establish Common Ground*
  - Research behind both opportunities and challenges
  - Conceptual framing
- *Introduce a Frame to think about Birth-thru-3rd Grade Education Continuum*
  - Thoughts about change
  - Highlight progress in Illinois

Source: Kauerz, K. (10 April 2014). Presentation to IL Governor's Symposium: College and Career Readiness Begins at Birth. Naperville, IL.

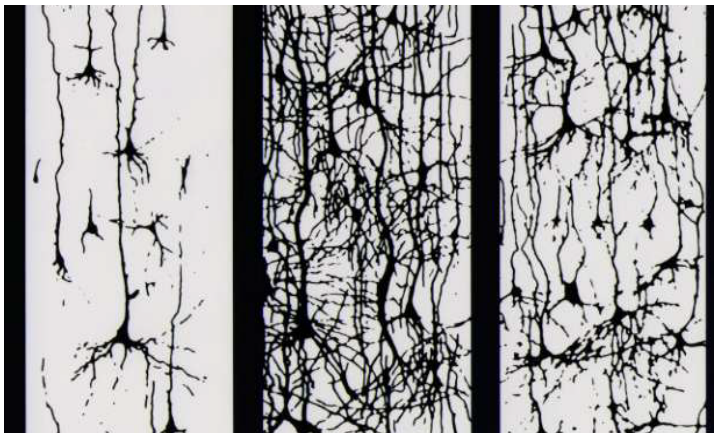
What Research Tells Us

- Neuroscience and Brain Development
- Disadvantage and Disparities throughout Childhood

Brain Development

Source: Kauerz, K. (10 April 2014). Presentation to IL Governor's Symposium: College and Career Readiness Begins at Birth. Naperville, IL.

Experience Shapes Brain Architecture

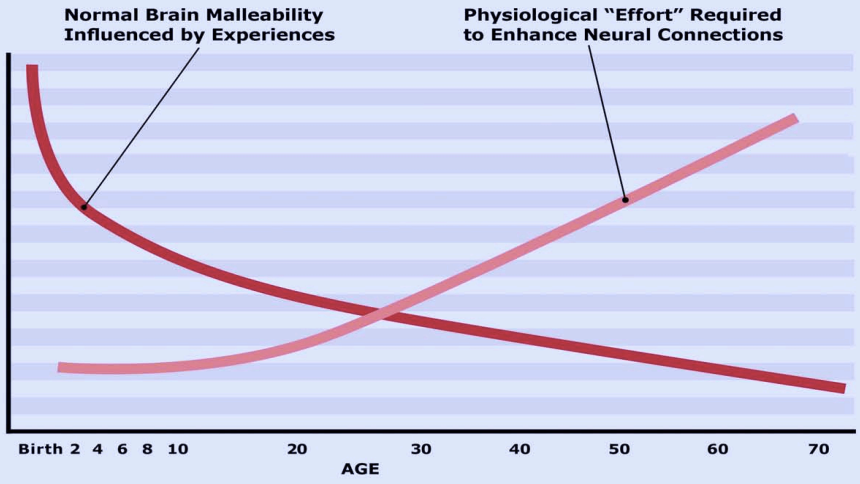


Birth 6 yrs. 14 yrs.

Source: *Center on the Developing Child*, Harvard University

Image Source: Conel, JL

Ability to Change Brains and Behaviors Decreases Over Time

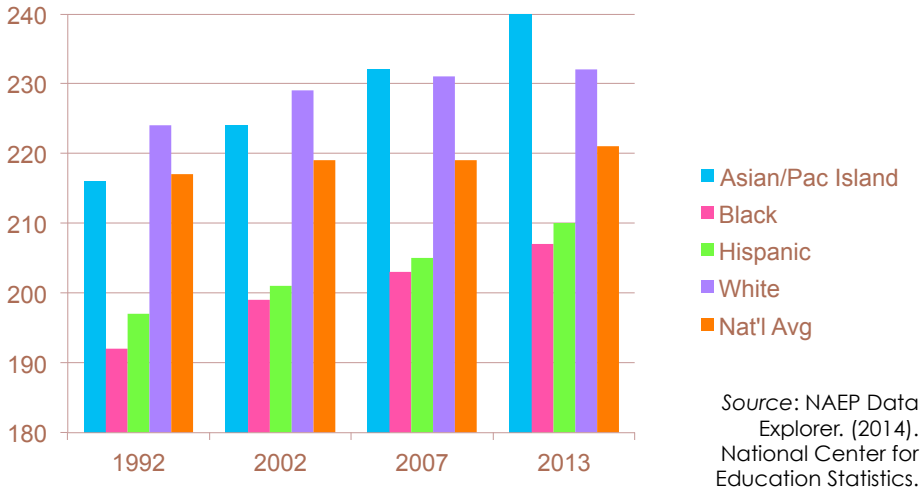


Source: Center on the Developing Child, Harvard University

Source: Kauerz, K. (10 April 2014). Presentation to IL Governor's Symposium: College and Career Readiness Begins at Birth. Naperville, IL.

Disadvantage and Disparities

Average Nat'l NAEP Reading scores Grade 4 by Race/Ethnicity

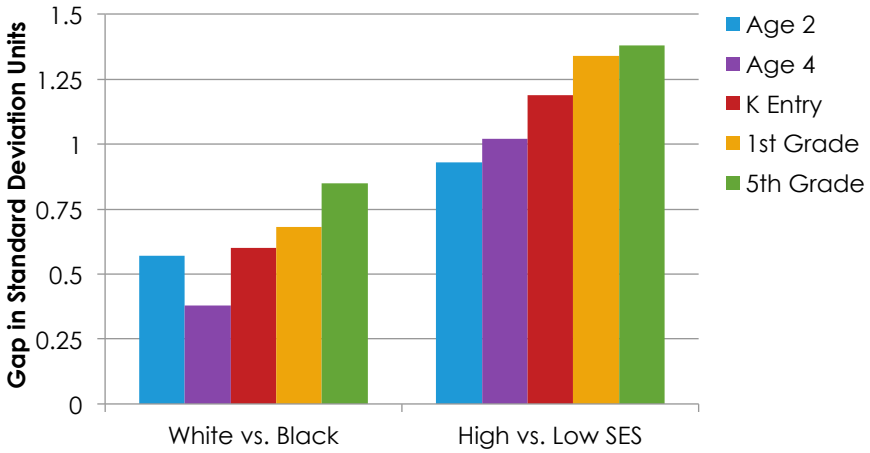


Source: NAEP Data Explorer. (2014). National Center for Education Statistics.

Source: Kauerz, K. (10 April 2014). Presentation to IL Governor's Symposium: College and Career Readiness Begins at Birth. Naperville, IL.

But Achievement Gaps Start Much Earlier

Growth of Achievement Gaps As Children Age



Source: Snyder (2010) and Duncan & Magnuson (2011).

Source: Kauerz, K. (10 April 2014). Presentation to IL Governor's Symposium: College and Career Readiness Begins at Birth. Naperville, IL.

Overall Lack of Quality Instruction, PreK-3rd Grade

Average Ratings of Interactions in Pre-K - 3rd Classrooms

Source: Center for Advanced Study of Teaching and Learning. (2013).

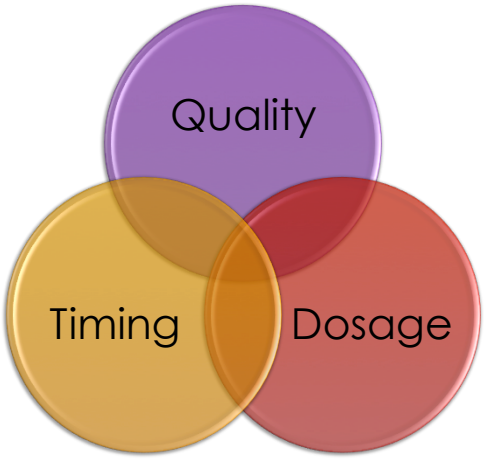
We Know What To Do

Source: Kauerz, K. (10 April 2014). Presentation to IL Governor's Symposium: College and Career Readiness Begins at Birth. Naperville, IL.

Research Behind P-3

- Timing
  - When intervention starts
- Quality
  - Intentional instructional component
  - Focus on social-emotional
- Dosage
  - Day-to-day basis (e.g., half-day vs. full-day)
  - Cumulative, over time (e.g., attendance; year-to-year)

These don't act independently.



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P-3 Essentials

The P Part

High quality learning opportunities pre-school ("P") help children be ready for school.

FDK

High quality Full-Day Kindergarten is a transition year for all children.

Grades 1-3

High quality early grades sustain the gains and lay the foundation for later learning.

Changing Our Paradigm

Blocks

Pop-Beads

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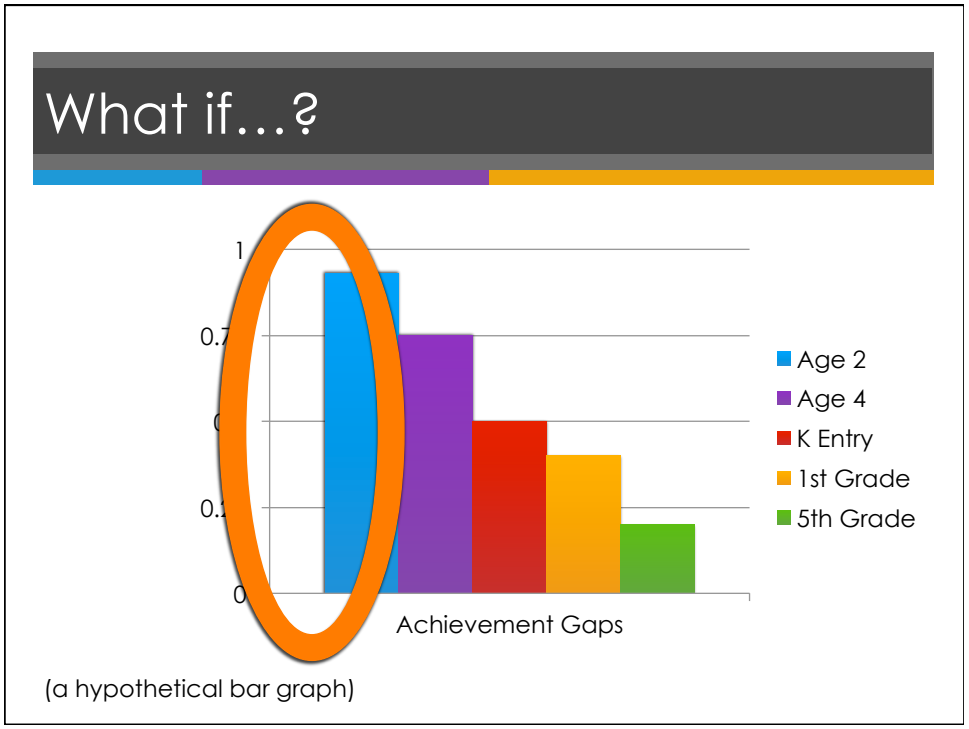

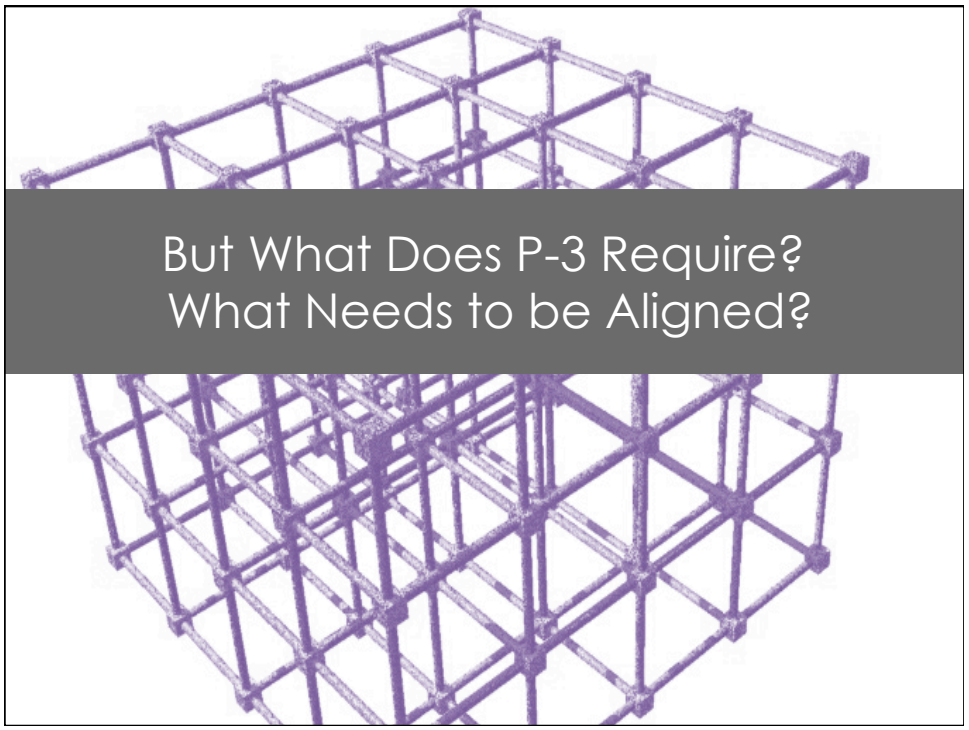

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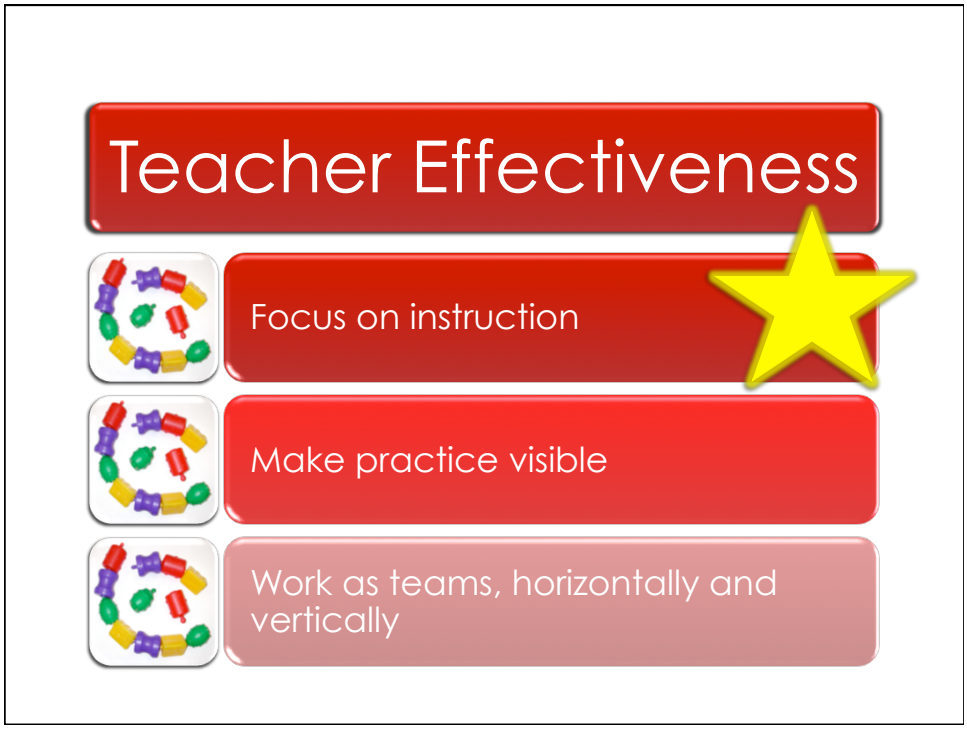

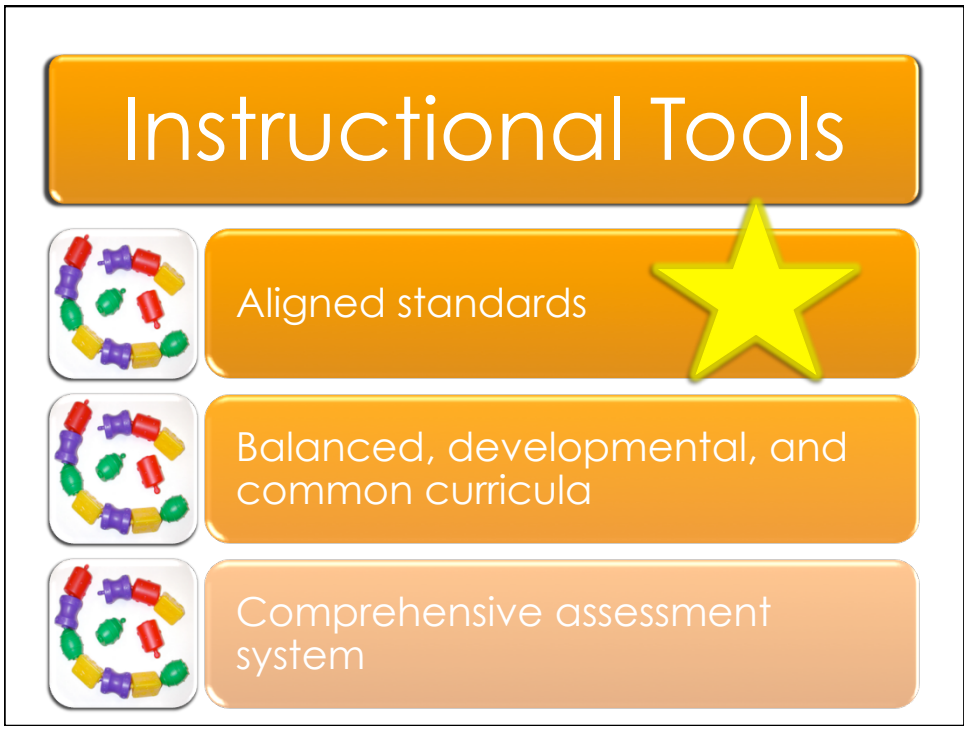

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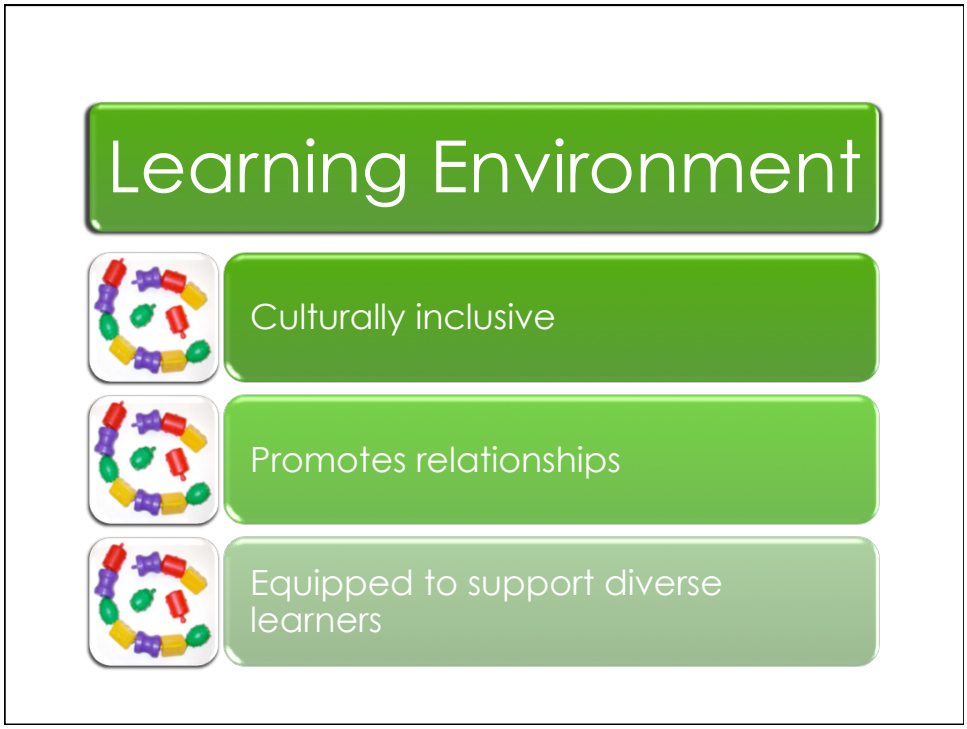

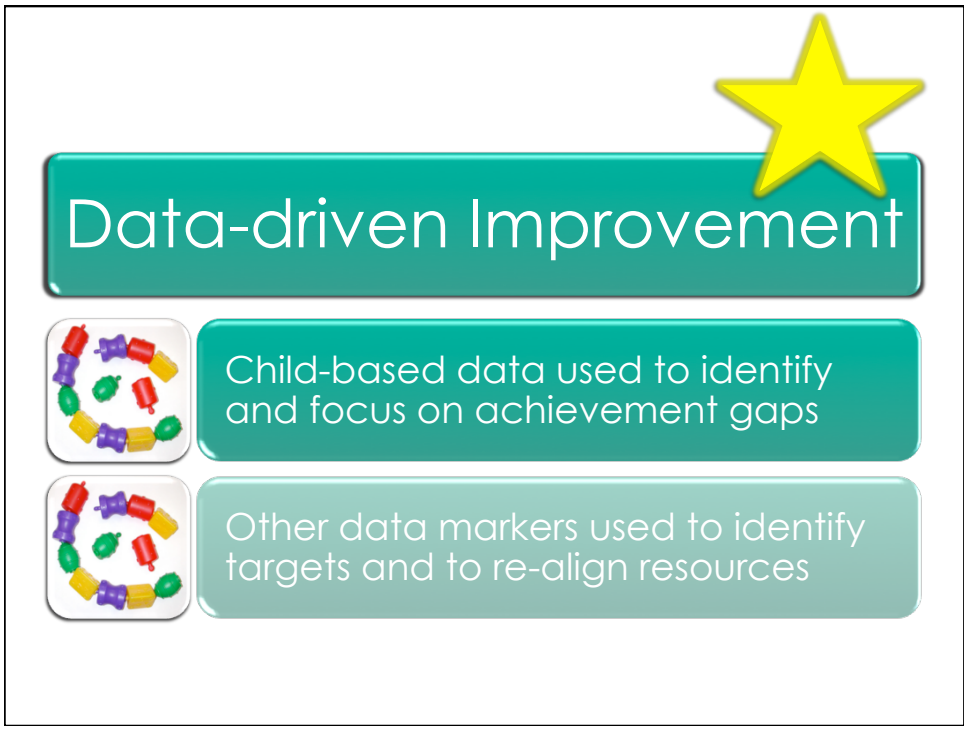

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Engaged Families

- Priority for all school- and program-based staff
- Two-way communication
- Shared leadership and decision-making

Continuity and Pathways

- Expanded and extended access
- Focus on the continuum provided to each child

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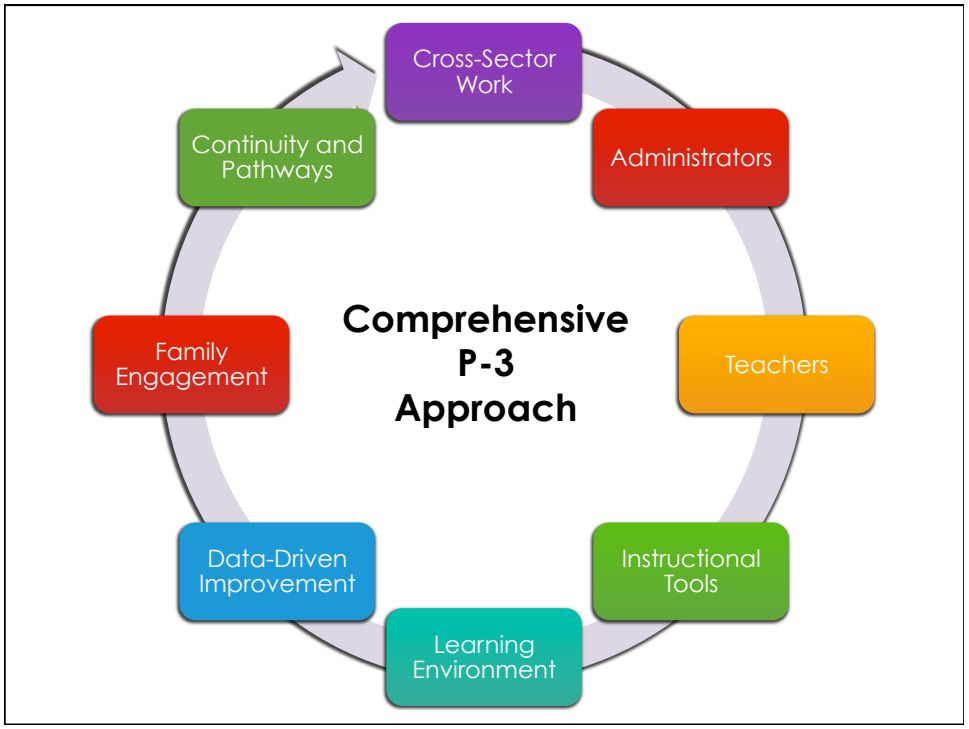

Other Progress in Illinois

- New teacher licensure system with proposed Birth-thru-Grade-2 endorsement
- Comprehensive system of credentials for staff in early learning/development programs
- New QRIS (ExceleRate Illinois) for Head Start, child care, and school-based preschool
- Center for School Improvement

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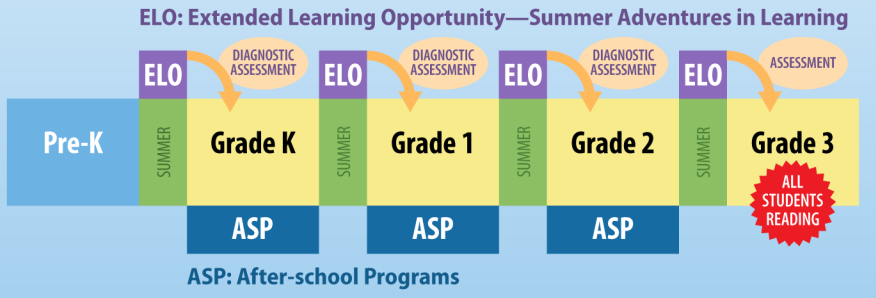
How do we know P-3 works?

Early Success Performance Plan



All components include congruent and aligned reading, writing, and mathematics curriculum with ongoing assessment and language development.

CONTINUOUS IMPROVEMENT

Curriculum • Assessment • Professional Development • Technology • Research • Parent Involvement

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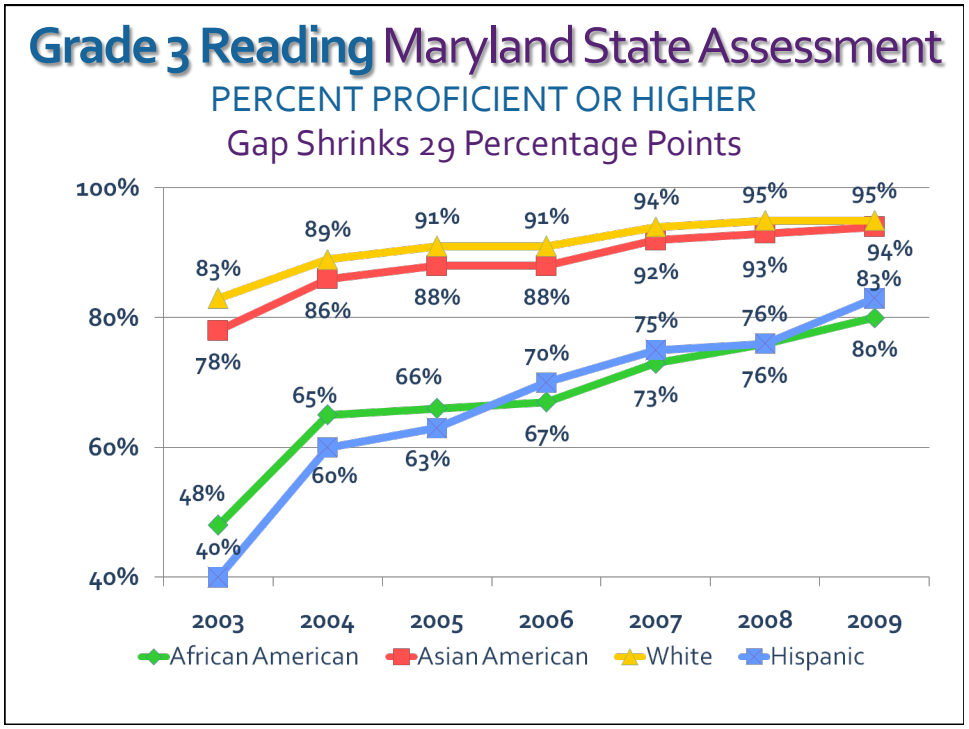

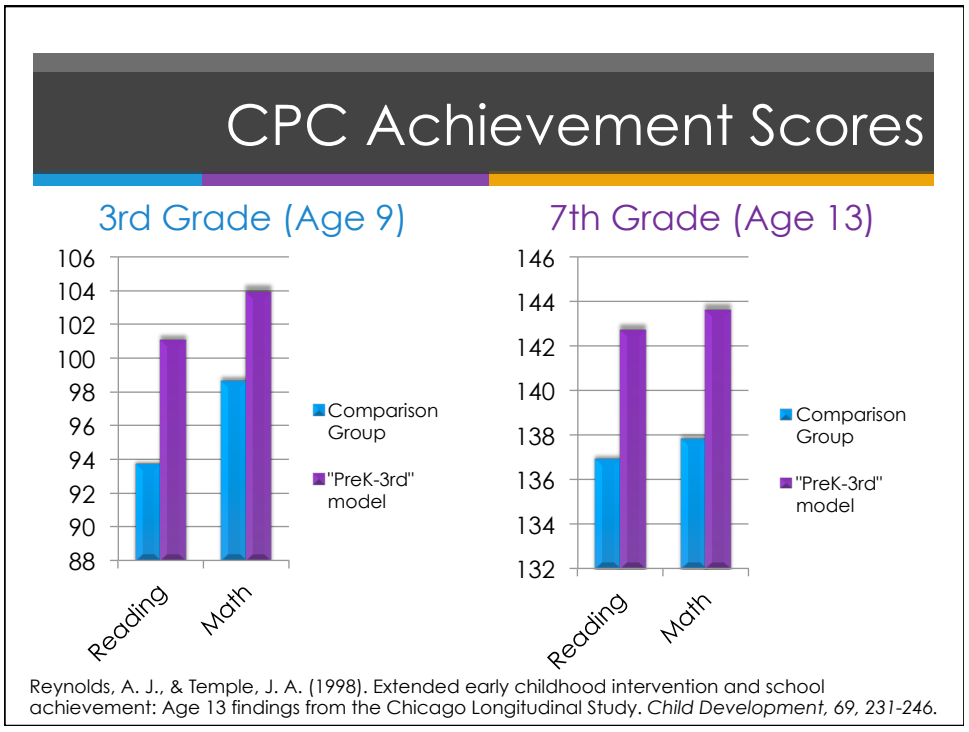

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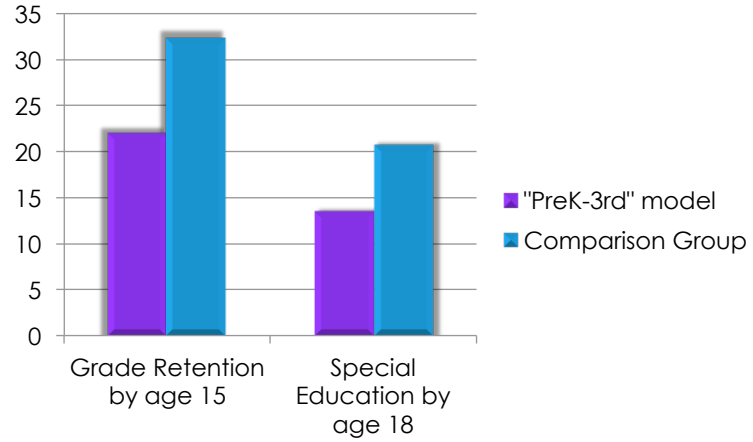
CPC – Other K-12 Outcomes



Reynolds, A. J., Temple, J. A., White, B. A. B., Ou, S.-R., & Robertson, D. L. (2011). Age 26 cost-benefit analysis of the Child-Parent Center Early Education program. *Child Development, 82(1), 379-404.*

Wrap-Up and Closing Thoughts

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What it will take…

- Navigating the different galaxies of 0-5 and K-12 (L. Wing)
  - Create shared vocabulary
  - Create shared leadership
- Push-up/Push-down and Push-In/Push-out
- Focus on implementation, including support to local school districts and communities

Always keep children at the center of our pop-bead thinking.

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National P-3 Listserv

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Contact Information

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