

This learning guide is designed for use by teachers, school and district administrators, Professional Learning Communities, learning coaches, parents and community members to enhance and support promising practice in the area of Early Learning to Grade 3.



This learning guide is intended to be used after viewing the video clip: [Neuroscience and Inclusive Supports](#)



General synopsis: *In this video clip, Dr. Bryan Kolb and several leading Early Childhood teachers, parents and administrators share the importance of supportive research based practices in inclusive settings that enhance future success for all children.*

Key Understandings

- Collaborative efforts between home, school, and specialists create inclusive, enriched learning environments which positively impact brain development and optimize potential.
- Brain development is enhanced when children are provided with rich, varied and meaningful opportunities to explore their environment; use language; engage with peers and interact with responsive adults at home, school and in their communities.
- Teachers work collaboratively with other professionals and share the responsibility for total child development, through implementation of research-based strategies and supports in the functional setting of the classroom.
- Connecting neuroscience research to educational practice results in optimal learning for all.

Questions for Discussion

- Inclusive practices are necessary for some, but beneficial for all. Share some of the research-based universal strategies and embedded supports which have been effective in your context.

- Peer interactions encourage children to extend their interests and prior understanding, engage in problem solving, share meaning making and construct new knowledge. What are some ways to encourage positive interactions between peers?
- When you reflect on current neuroscience research and education, how has your understanding changed as a result of this video and discussion? How will this impact your classroom practice?
- With the ongoing necessity to remain current regarding “neuroeducation” research, what will you do to support continued learning within your “Learning Team”?

For more information

- Center on the Developing Child -Harvard University
<http://developingchild.harvard.edu/>
- Galileo Educational Network: Research (articles, summaries, videos)
<http://www.galileonetwork.ca/earlylearning/?q=content/research>
- Inclusive Education- Early Learning
<http://inclusiveeducationpdresources.ca/early-learning/>

Acknowledgement:

This guide was developed through a collaboration between Southern Alberta Professional Development Consortium and Alberta Education. It is freely provided in support of improved teaching and learning under the following Creative Commons license. Link to the Inclusive Education: Support for Implementation website at <http://inclusiveeducationpdresources.ca/> for Professional Development Resources. For further information on learning opportunities to support Early Learning, visit <http://www.arpcdc.ab.ca/>.