



## Brain Science for Kids

“YOU HAVE BRAINS IN YOUR HEAD. YOU HAVE FEET IN YOUR SHOES. YOU CAN STEER YOURSELF ANY DIRECTION YOU CHOOSE.”-Dr.Seuss

### BRAIN-SCIENCE AND LEARNING

Research and clinical advances among Brain-Science and Education disciplines and advances in technology have helped to clear up “myths” regarding child brain development, learning, and intelligence.

<b>Old Information</b>	<b>New Information</b>
<ul style="list-style-type: none"><li>• Learning potential is what you are born with.</li><li>• The brain’s ability to learn decreases as children get older.</li></ul>	<ul style="list-style-type: none"><li>• Learning and IQ are not static. Intelligence potential can be nurtured and developed.</li><li>• Healthy body-healthy environment results in healthy brain development and learning throughout life. Early childhood is a time of peak development.</li></ul>
<ul style="list-style-type: none"><li>• Competency of subject matter is what prepares children for success.</li></ul>	<ul style="list-style-type: none"><li>• Developing brain pathways of alertness/attention, memory, sensory, motor, speech, language, mood, social, and executive/planning-thinking functions are fundamental to all learning. This prepares children for success at home, school, and beyond.</li></ul>
<ul style="list-style-type: none"><li>• Learning based on fear of failure is what motivates children to learn.</li></ul>	<ul style="list-style-type: none"><li>• Optimal learning requires high challenge-low threat. Esteem is a great motivator.</li></ul>

Scientific, evidence-based knowledge has demonstrated that an enriched environment promoting the development of brain pathways/connections regulating alertness/attention, memory, sensory, motor, speech, language, mood, social, and executive/planning-thinking, especially during early childhood, result in increased social adaptation, esteem, literacy, and children’s ability to become thinkers, planners, and doers.

Bridging Brain-Science and Education promotes children’s potential and prepares them for success at home, school, and beyond.