



## *School District of Weyauwega-Fremont*

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### **“Something to Think About”**

With leading brain researchers building on the perception that intellectual brain capacities are established by birth, new evidence dictates that brain development continues well after birth with key influential windows of opportunity for brain development to occur.

Established within the billions of existing neurons developed by birth, brain research now dictates that dendrite growth between neurons create at an astonishing rate between the childhood ages of two and eleven which creates memory and learning. The active dendrite growth connecting neuron development through early adolescence indicates that brain expansion can be influenced after birth, thus demonstrating that the environmental experiences of a child may play a larger role in brain development than anticipated.

As brain based education continues to develop, researched teaching techniques to enhance the brain development on school age children accelerates as well. Educators stimulate early learning environments by creating learning situations where children are challenged to learn by using their multisensory capacities. Learning experiences that trigger emotion within individuals will activate chemicals in the brain that strengthen memory thus stating that learning must be a memorable occurrence. Educators continue to develop learning environments where students are challenged to create connections or patterns allowing the brain to develop on prior knowledge. Children of today’s era are environmentally accustomed to stimulation that is rapid and over short periods. Translating, classroom lessons and objectives are designed to be short verses longer in session time.

All individuals possess a unique brain like no other. For educators to effectively influence brain growth they must continually evaluate instructional strategies produced by brain research and interrupt hands on results established in learning communities.

#### **District Mission Statement:**

Creating a foundation of excellence for success in tomorrow’s world.

#### **District Vision Statement:**

Creating wisdom through pride, passion, and honor