

**A New Age of Learning**

**Connection**

**Interest / Motivation**

**Challenge**

**You will always be important!**

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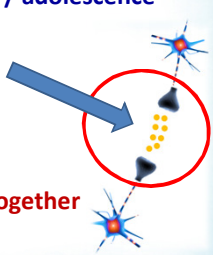
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**A New Age of Learning**  
The brain wants us to learn

- Dopamine = infancy / adolescence
- Serotonin
- Noradrenaline
- GABA
- Plasticity
- Prime time and rest
- "Neurons that fire together are wired together"




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The brain wants us to *Flourish*

**Early Years** Center on the Emotional and Social Foundations in Early Learning  
Positivity Ratio **8 to 1** [csefel.vanderbilt.edu](http://csefel.vanderbilt.edu)

**Adults** Barbara Fredrickson  
Positivity Ratio **3 to 1** [www.positivityratio.com](http://www.positivityratio.com)

\_\_\_ Positive Comments to \_\_\_ Corrective Comment  
(Challenge/ Positive expectations)

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**A New Age of Learning**  
 CCSS TEXT COMPLEXITY

[http://www.corestandards.org/assets/Appendix\\_A.pdf](http://www.corestandards.org/assets/Appendix_A.pdf)

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**A New Age of Learning**

Misconceptions / Confusion

- Smart Thinker?
- Independent Reader
- Homework
- Time on Task

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**A New Age of Learning**

Riddles and Responsibility

Riddles:  
<http://www.enchantedlearning.com/jokes/>

- **Headline Bloopers:**  
 Read, watch and listen for lines like these...  
 "Stolen painting found by tree"  
 "Red tape holds up bridge"
- Map it out
- The shopping list

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**A New Age of Learning**  
 Lessen the stress...Keep the connection

Quote of the Day / Week

- <http://www.verybestquotes.com/9-inspirational-quotes-for-kids/>
- <http://voices.yahoo.com/famous-inspirational-quotes-teach-children-6496008.html>
- The Group Hug (reducingsibling rivalry)
- "I love when you read to me"  
or "Tell me what you read"

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**A New Age of Learning**  
 Keep the connection...Stimulate the interest

1  
**The Magic of Ketchup** – Fill a 1 liter plastic bottle with water. Stick a package of ketchup in the bottle. Tighten the cap. By squeezing the bottle the ketchup will move down. Release the pressure and the package will float up.  
<http://www.stevespanglerscience.com/lab/experiments/cartesian-diver-ketchup>

2  
**The Bouncing Egg** -  
 Stick an unbroken egg in a cup of vinegar. Let it sit for a week. The egg bounces!

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 Keep the connection...Stimulate the interest

3  
**Separating Black Pepper in Milk** -  
 Pour a little milk in a bowl. Sprinkle black pepper into the bowl. Stick your finger in the bowl. Nothing happens. With the other hand dip the tip of your finger in dishwashing liquid. The finger with the dish detergent will cause the black pepper to separate.  
<http://www.youtube.com/watch?v=oqTjJQLsEYs>

4  
**Stepping through a piece of paper**  
<http://www.youtube.com/watch?v=5E-Qnfo8qI8>

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