How the Brain Learns

A Brief Overview for Students
The Reticular Activating System (RAS) and the Amygdala: The Garage Door of the Brain

RAS
- Am I Safe?

AMYGDALA
- Is this interesting or relevant?
Growing Dendrites = Learning
Knowledge and Ceiling Level Increase with Neural Network Growth

- Low ceiling level: Little time and effort
- Medium ceiling level: More time and effort
- High ceiling level: Much more time and effort
The Airport Analogy:
Encouraging metacognition: Supporting learners through metacognitive teaching strategies; Patricia Liotta Kolencik & Sheila Hillwig.

Faculty development with Chris Jernstedt

Student engagement techniques: A handbook for college faculty; Elizabeth Barkley.

Understanding how the brain naturally learns; Rita Smilkstein, [http://www.borntolearn.net](http://www.borntolearn.net)

How the brain learns best: Strategies that make learning stick; Free webinar by Edutopia featuring Judy Willis (neuroscientist turned teacher)

[http://www.youtube.com/watch?v=eMZnfFD1maU](http://www.youtube.com/watch?v=eMZnfFD1maU)

[http://www.mindmapping.com](http://www.mindmapping.com)


[http://www.edpsycinteractive.org/topics/cognition/infoproc.html](http://www.edpsycinteractive.org/topics/cognition/infoproc.html)
Thank you