

# What is a "neuromyth"?

Teachers with some knowledge of the brain are likely to believe in at least one neuromyth (maybe more!)

Neuromyths are common misconceptions about the brain.



What are some examples of neuromyths?



## THE BRAIN IS 'HARDWIRED'.



The human brain has the ability to change throughout life as a result of behavior, environment, emotions, thought, etc. This is called Neuroplasticity.





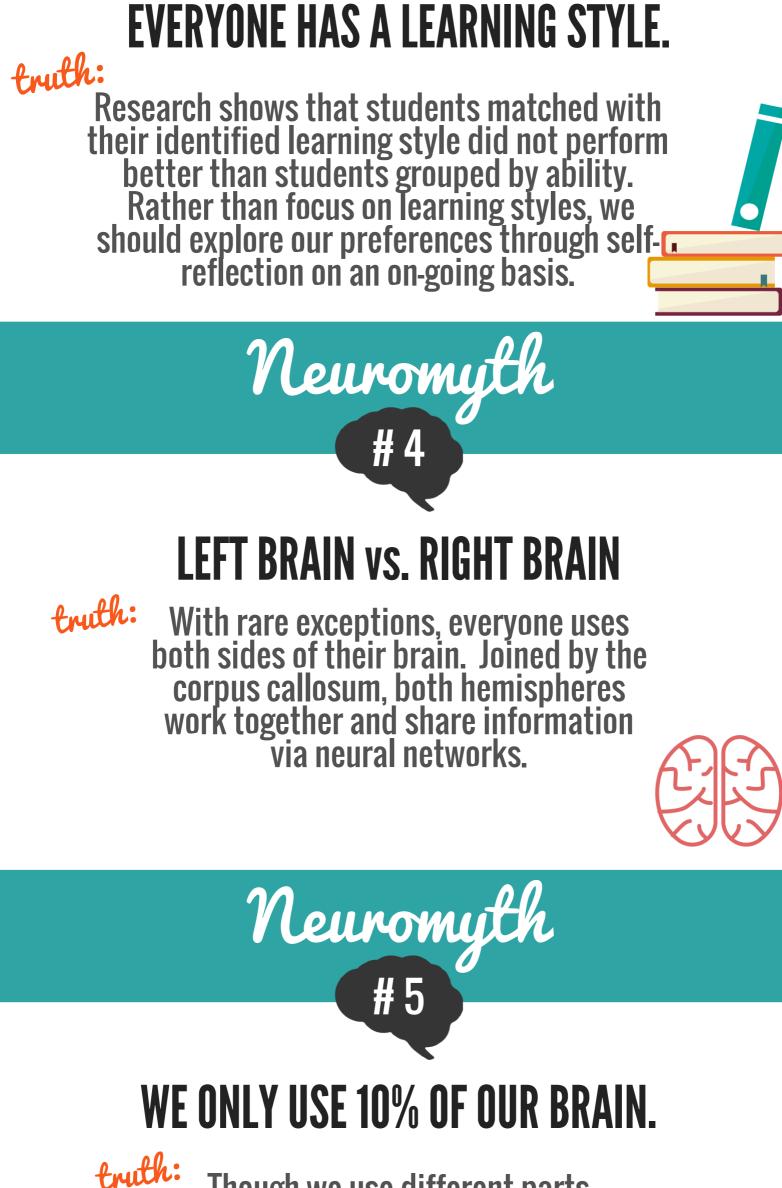
## THERE ARE CRITICAL PERIODS FOR LEARNING.

truth:

There are no critical periods for learning, but there are "sensitive" periods of time in which learning a new skill is easier.







Though we use different parts

### at different times, all recent studies show that we use 100% of our brain



Center for Innovation & Leadership in Special Education

### **References**:

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Dekker, S., Lee, N.C., Howard-Jones, P. , Jolles, J. (2012).Neuromyths in education: Prevalence and predictors of misconceptions among teachers. Frontiers in Psychology, 3, 1-8.