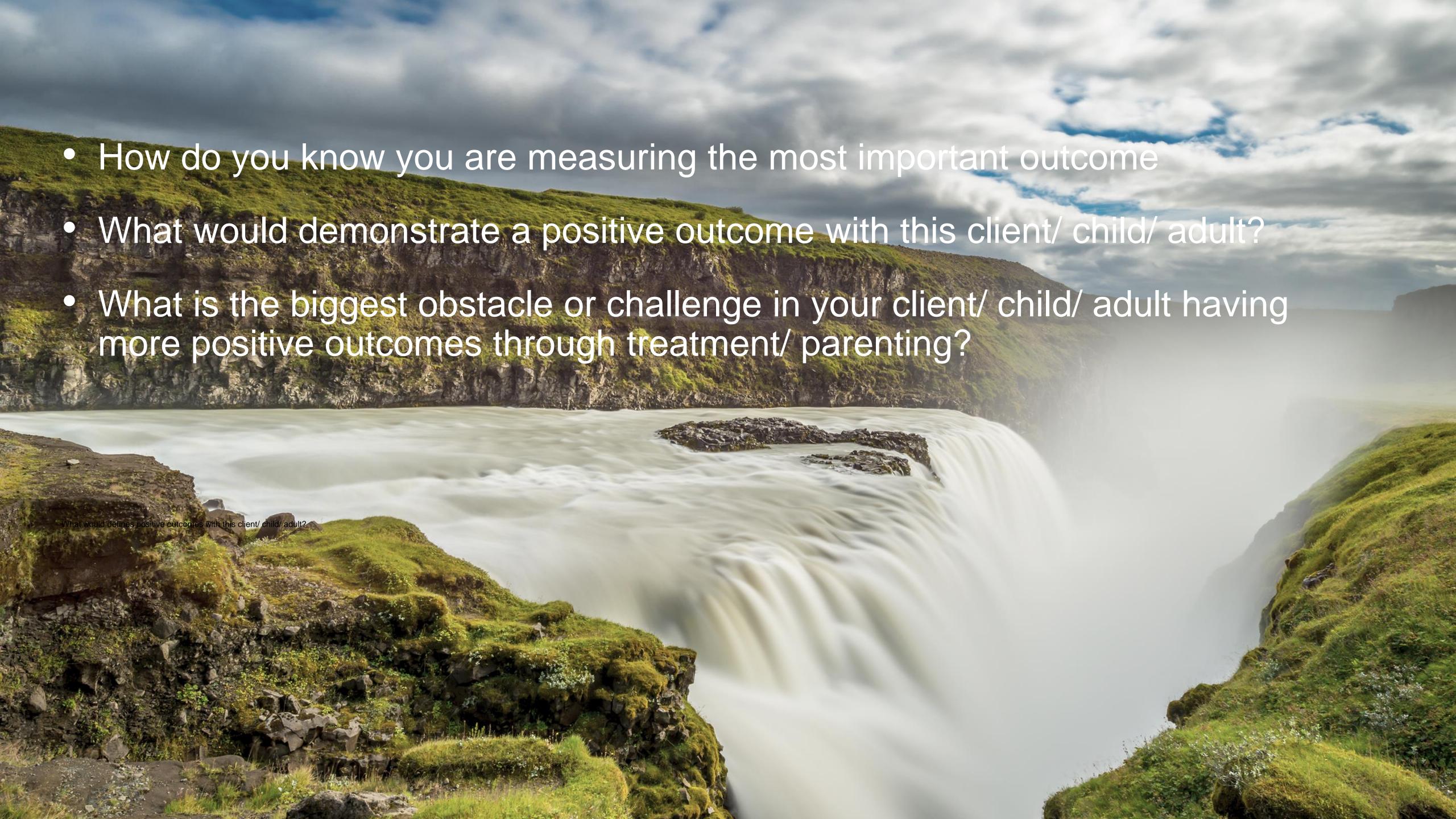
# Improving Outcomes Through Neuroscience



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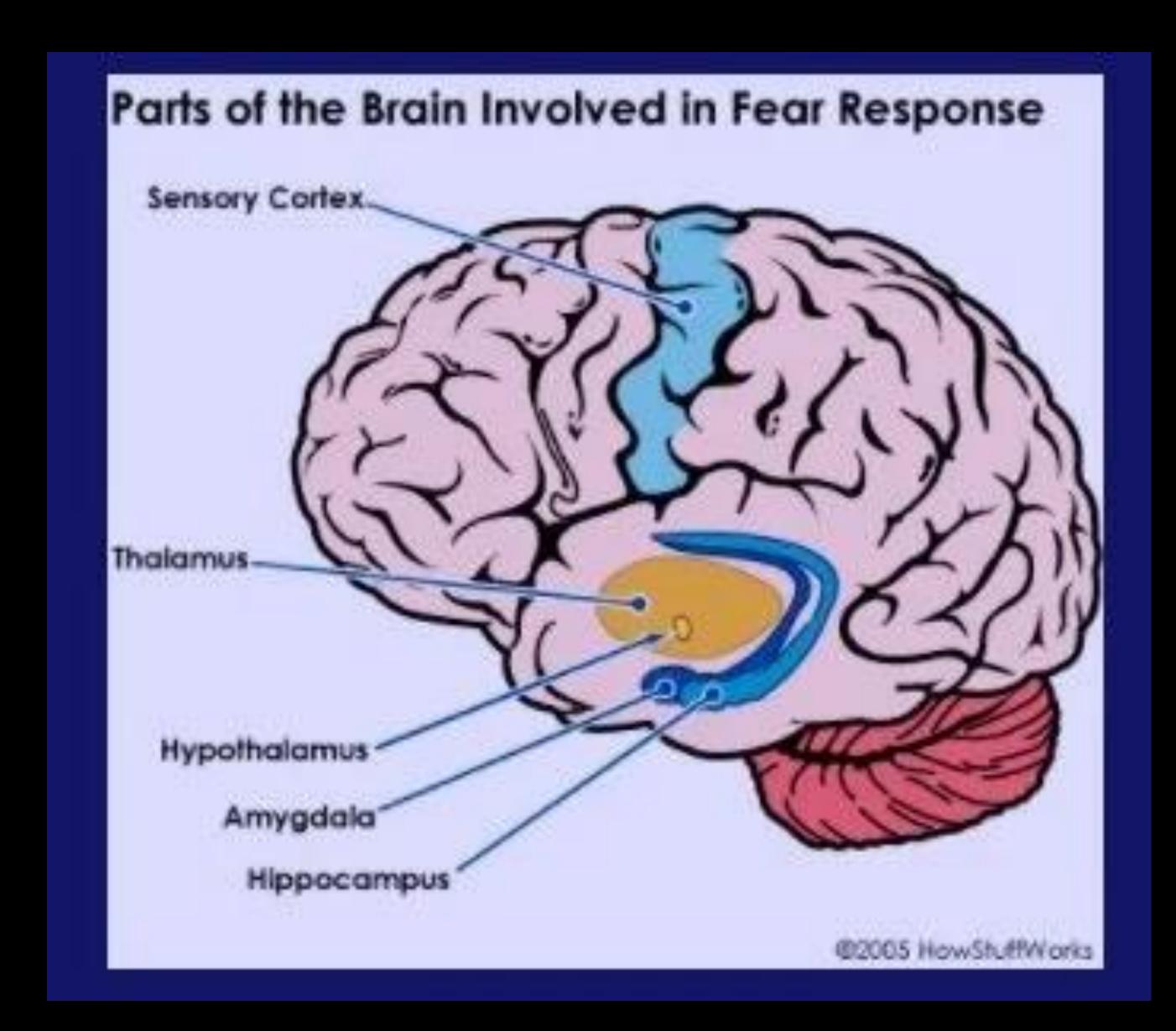
## Neurolgical Goals

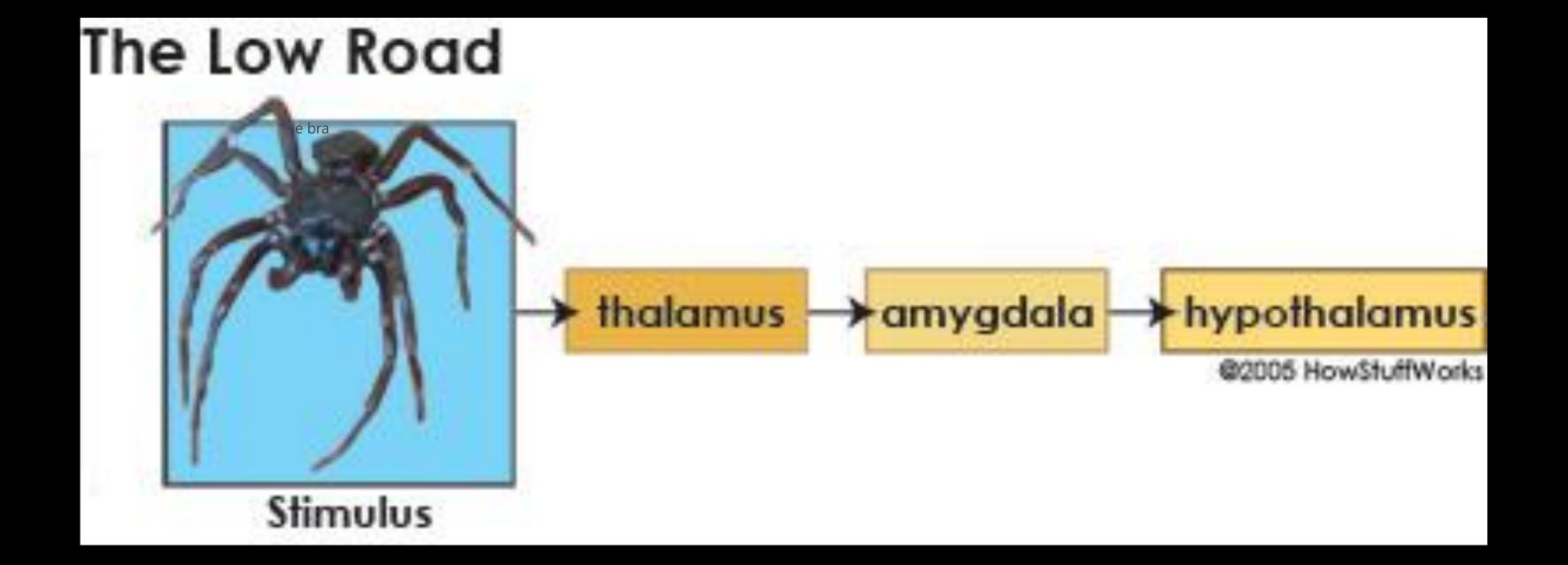
Stop chasing behaviors and look at client's/ child's Adult's Brain

- What are the Neurological Goals for your cleint/ child/ adult?
- What is the primary neurological target?
- What clinical techniques or strategies improve Neuroplasticicity?



## Lymbic Brain and Trauma



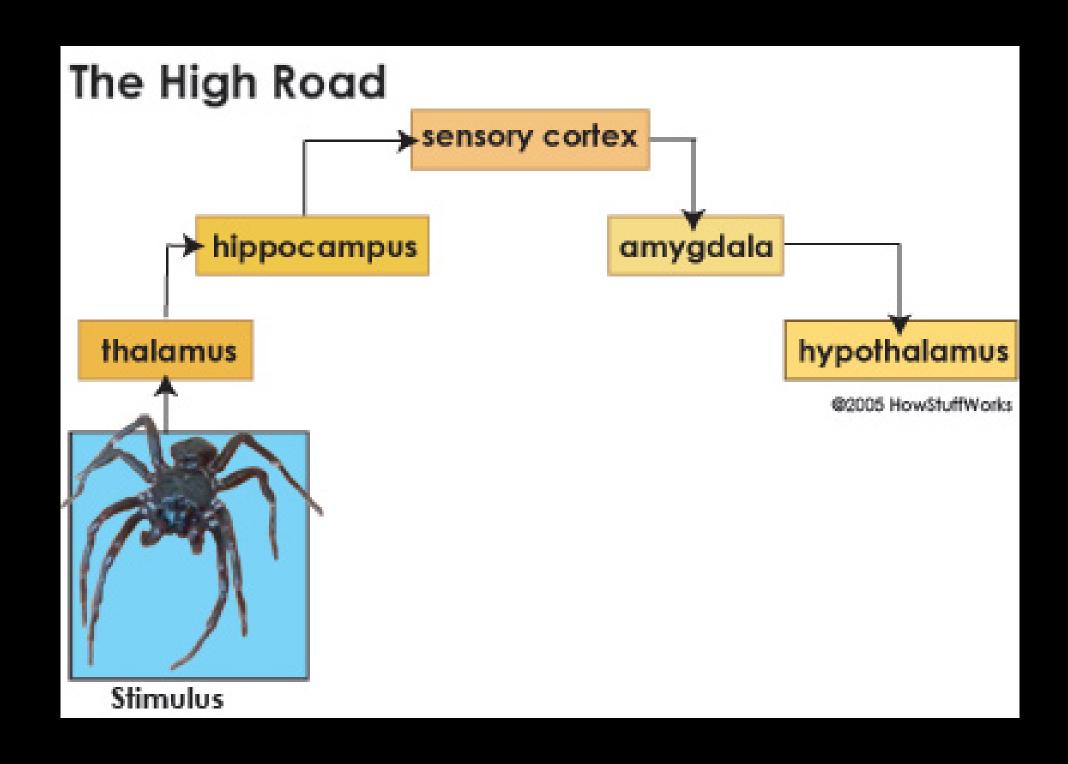


- Stress
- Perceived danger
- Threats
- Triggers
- Loud environment
- Confronting style
- Reminders of

- punishments/ consequences
- Lack of restful sleep
- Hunger
- Feelings of not being good enough

### High Road and the Executive Functions

Brain Regulation allows for access to learning and rewiring of the brain



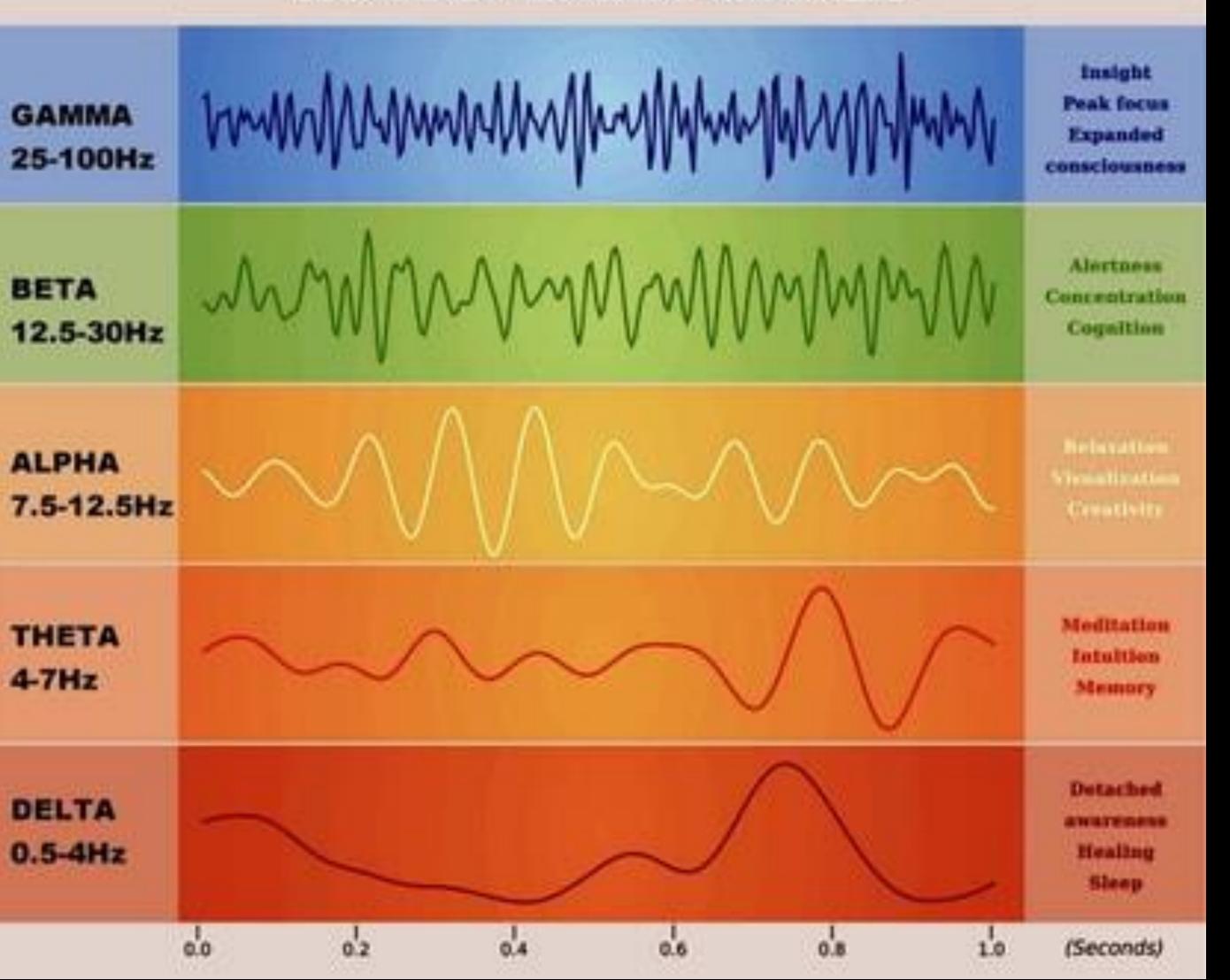
# Regulation Requires Specific Neurological Target

Opening up connections to the Hippocampus and executive Functions of the Brain is the only Path moving from Dysregulation to Regulation. Once Regulation is achieved then new pathways are able to be wired in the brain. Shocking the brain with creating positive memory in times of dysregulation is a skill that is required to increase more positive outcomes with your client/ child/ adult.

## High Road is stimulated by?

- 1. Framing the client's struggle
- 2. Pointing out Positive Intension
- 3. Time traveling techniques that allow to point out past positive memories
- 4. Future oriented Techniques that are positive and guaranteed
- 5. Co-Regulation techniques

#### **HUMAN BRAIN WAVES**



#### How Trauma Affects Brain Waves

- Stuck in Theta
- Stuck in High Beta
- Swings from Theta to High Beta
- Swings from High Beta to Theta
- Trouble getting to Delta when sleeping
- Troube Accessing Alpha

# Alpha Tainnig is Key to Improving Brain Wave Transitioning

- Meditation
- Being in Nature
- Mindfulness
- Deep Breathing
- Listening to Alpha frequency
- Yoga

# Knowing Your Brain is the Key

You are not able to Co-Regulate when you can not self-regulate.

Increasing positive outcomes is only possible when you remain in a Regulated state!

