

**PARIETAL LOBE**



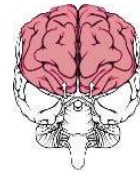
**ASSOCIATED BEHAVIORS:**

- Tactile perception (touch)
- Academic skills
- Sensory awareness
- Somatosensory functions
- Awareness of spatial relations

**BEHAVIORS WHEN INJURED:**

- Getting lost frequently
- Object naming problems
- Right/left confusion
- Math difficulties
- Coordination problems
- Inability to focus visual attention
- Sensory confusion
- Lack of awareness of body parts

**FRONTAL LOBE**



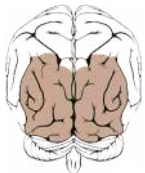
**ASSOCIATED BEHAVIORS:**

- Executive function
- Attention & concentration
- Emotional/impulse control
- Social behavior control
- Judgment
- Problem solving
- Insight and empathy
- Expressive language
- Motor integration
- Voluntary Movement
- Personality

**BEHAVIORS WHEN INJURED:**

- Attention/focus problems
- Loss of cognitive reserve
- Cognitive fatigue
- Personality changes
- Easily distractible
- Loss of spontaneity
- Difficulty solving problems
- Loss of verbal expression
- Uncontrollable emotions
- Disorganization
- Confusion

**OCCIPITAL LOBE**



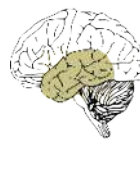
**ASSOCIATED BEHAVIORS:**

- Visual perception
- Visual input
- Reading

**BEHAVIORS WHEN INJURED:**

- Difficulty locating objects
- Difficulty identifying colors
- Light sensitivity
- Hallucinations & distortions
- Difficulties reading & writing
- Inability to recognize object movements
- Vision defects

**TEMPORAL LOBE**



**ASSOCIATED BEHAVIORS:**

- Memory
- Receptive language
- Language comprehension
- Musical awareness
- Sequencing skills

**BEHAVIORS WHEN INJURED:**

- Aggressive behavior
- Disturbed selective attention
- Memory loss
- Change in sexuality
- Persistent talking
- Difficulty finding words
- Difficulty identifying & categorizing objects
- Difficulty recognizing faces & locating objects

**CEREBELLUM**



**ASSOCIATED BEHAVIORS:**

- Balance & equilibrium
- Inputs to cognition & language
- Coordination of voluntary movement

**BEHAVIORS WHEN INJURED:**

- Loss of the ability to walk
- Inability to make rapid movements
- Coordination difficulties
- Concentration problems
- Language problems
- Inability to grasp objects
- Tremors and/or dizziness
- Slurred speech

**BRAIN STEM**



**ASSOCIATED BEHAVIORS:**

- Level of alertness
- Integrate visual & spatial pathways
- Autonomic nervous system (heart rate, breathing, temp, etc)

**BEHAVIORS WHEN INJURED:**

- Decreased breathing capacity
- Possible visual/spatial difficulties
- Problems with balance & movement
- Difficulty swallowing
- Dizziness and nausea
- Sleeping difficulties