

# CEREBRAL CORTEX: FUNCTIONAL ANATOMY

*[ Anatomical Lateral View Diagram Area ]*

<b>LOBE</b>	<b>PRIMARY FUNCTIONS</b>	<b>KEY STRUCTURES</b>
<b>Frontal Lobe</b>	Executive function, impulse control, motor execution, and complex language production.	Prefrontal Cortex, Motor Cortex, Broca's Area
<b>Parietal Lobe</b>	Processing somatosensory information, spatial orientation, and mathematical reasoning.	Somatosensory Cortex, Angular Gyrus
<b>Temporal Lobe</b>	Auditory processing, memory encoding, and language comprehension.	Auditory Cortex, Wernicke's Area, Hippocampus
<b>Occipital Lobe</b>	Visual processing, color recognition, and motion perception.	Primary Visual Cortex (V1), Visual Association Area

## Study Notes