
Student Success \ Brain, Emotion, and Health

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Temporal Lobe Functions

DOMINANT TEMPORAL LOBE FUNCTIONS

- Usually on left side
- Understanding and processing of language
- Visual and auditory processing
- Intermediate-term memory
- Long-term memory
- Complex memories
- Auditory learning
- Word retrieval
- Emotional stability

NON-DOMINANT TEMPORAL LOBE FUNCTIONS

- Usually on right side
- Sense of music
- Sense of rhythm
- Visual learning
- Decoding vocal intonation
- Recognition of facial expressions