

| Domain | Sample | Test Name | Outcome Measure | Associated Brain Regions |
|----------------|---|-----------------------|-----------------------------|--|
| MEMORY |  | Monkey Ladder | Visuospatial Working Memory | <ul style="list-style-type: none"> Prefrontal cortex / mid-dorsolateral prefrontal cortex Premotor cortex Posterior parietal cortex |
| |  | Spatial Span | Spatial Short Term Memory | <ul style="list-style-type: none"> Right mid-ventrolateral area Parieto-occipital regions |
| |  | Token Search | Working Memory | <ul style="list-style-type: none"> Frontal lobe Temporal lobe Amygdalo-hippocampal region Mid-ventrolateral frontal cortex Mid-dorsolateral cortex Premotor cortex |
| |  | Paired Associates | Episodic Memory | <ul style="list-style-type: none"> Left dorsolateral prefrontal cortex Ventral and anterior left prefrontal cortex regions Ventral prefrontal cortex Ventral region of the parietal cortex |
| REASONING |  | Rotations | Mental Rotation | <ul style="list-style-type: none"> Intraparietal sulcus Medial superior precentral cortex |
| |  | Polygons | Visuospatial Processing | <ul style="list-style-type: none"> Right dorsolateral prefrontal cortex Right hemisphere |
| |  | Odd One Out | Deductive Reasoning | <ul style="list-style-type: none"> Anterior frontal cortex Anterior insula / frontal operculum Inferior frontal sulcus Anterior cingulate Presupplementary motor area Intraparietal sulcus |
| |  | Spatial Planning | Planning | <ul style="list-style-type: none"> Frontal lobe Mid-dorsolateral frontal cortex Caudate nucleus Thalamus Lateral premotor Anterior cingulate |
| VERBAL ABILITY |  | Grammatical Reasoning | Verbal Reasoning | <ul style="list-style-type: none"> Frontal operculum Posterior temporal lobe Superior parietal lobe Dorsal prefrontal cortex Ventral prefrontal cortex |
| |  | Digit Span | Verbal Short Term Memory | <ul style="list-style-type: none"> Mid-ventrolateral prefrontal cortex |
| CONCENTRATION |  | Feature Match | Attention | <ul style="list-style-type: none"> Mid-ventrolateral frontal cortex Right inferior frontal gyrus |
| |  | Double Trouble | Response Inhibition | <ul style="list-style-type: none"> Right prefrontal cortex Dorsolateral region |