

## Cognitive Abilities and NeuroDevelopment Assessments

Crossroads' Cognitive Abilities and Neurodevelopment Assessment, the NeuroGeniSys Assessment, was designed to provide a solid starting point or "road map" for positive change.

Only by determining where an individual's natural abilities currently are and comparing those abilities with where they should be (based on age) can we address their untapped potential.

These assessments consists of several nationally recognized tests covering multiple skill areas. We believe that by combining these comprehensive assessments and screenings, our Report of Findings offer a more detailed picture of each individual's strengths and weaknesses with regard to how the brain receives, processes, integrates and learns information. As added insurance that "no stone is left unturned" our team of expert professionals also examine the results of the tests so that you will feel confident that the report we offer is complete.

### **FDA Approved qEEG Functional Brain Map**

- Attention/Executive Functions
- Tactility Processing
- Sensory Motor Functions
- Auditory Processing
- Visuospatial Processing
- Memory and Learning
- Language
- Mobility Expressions

### **Sensory receptive/expressive input/output of senses**

- Auditory
- Vision
- Manual
- Language
- Mobility

### **Brain Processing Organization and Functional Cognitive Expression**

- Attention/Executive Function
- Sensory Motor Functions
- Memory and Learning
- Language
- Mobility Expression
- Auditory Processing
- Visual Processing
- Vestibular Processing

- Touch Processing
- Oral Sensory Processing
- Multisensory Processing

### **Modulation Processing**

- Endurance/Tone
- Body Position and Movement
- Movement Affecting Activity Level
- Movement Affecting Emotional Responses
- Auditory Input Affecting Emotional Responses
- Visual Input Affecting Emotional Responses & Activity Level

### **Memory**

- Short Term Memory
- Intermediate/Working Memory
- Memory Retrieval
- Delayed Memory
- Recognition Delayed Memory

### **Learning Abilities**

- Retention Learning
- Retrieval Learning
- IQ Scores (Abilities)
- Verbal Performance
- Verbal Comprehension
- Working Memory
- Perceptual Organization
- Processing Speed

### **Academic Achievement**

- Basic Reading
- Mathematics Reasoning
- Spelling
- Reading Comprehension
- Numerical Operation
- Listening Comprehension
- Oral Expression

- Written Expression

### **Emotional/Behavior**

- Behavioral and Emotional Responses
- Emotional/Social Responses
- Behavioral Outcomes of Sensory Processing
- Thresholds for Response