

## Cognitive Skills Developed in BrainWare SAFARI and the Behavioral Impact of Improvement

BrainWare SAFARI develops 41 cognitive skills in six areas:

### Attention Skills (6)

- Visual Sustained Attention
- Auditory Sustained Attention
- Visual Selective Attention
- Auditory Selective Attention
- Divided Attention
- Flexible Attention

### Visual Processing Skills (9)

- Visual Discrimination
- Visual Figure Ground
- Visual Form Consistency
- Directionality
- Visual Span
- Visual Simultaneous Processing
- Visual Sequential Processing
- Visualization
- Visual Processing Speed

### Sensory Integration Skills (5)

- Oculomotor Skills
- Visual-Motor Integration
- Auditory-Motor Integration
- Timing and Rhythm
- Visual-Auditory Integration

### Memory Skills (10)

- Visual Short-Term Sensory Memory
- Auditory Short-Term Sensory Memory
- Visual Short-Term Immediate Memory
- Auditory Short-Term Immediate Memory
- Working Memory
- Visual Spatial Memory
- Long-Term Memory
- Visual Sequential Memory
- Auditory Sequential Memory
- Visual Simultaneous Memory

### Auditory Processing Skills (3)

- Auditory Discrimination
- Auditory Sequential Processing
- Auditory Processing Speed

### Thinking Skills (8)

- Logic
- Reasoning
- Planning
- Problem-Solving
- Strategic Thinking
- Visual Thinking
- Conceptual Thinking
- Decision Speed

As cognitive skills are developed, individuals often exhibit behavioral changes that can be observed by those around them. Specific changes and the degree of those changes will vary by individual. Some changes may occur over an extended period of time, as the individual's acquisition of knowledge accelerates. Here are some of the change that clinicians and educators suggest looking for.

- Improved attention span and focus
- Less distractibility
- Fewer careless errors
- Increased attention to detail
- Completion of tasks faster and more accurately
- Faster recall of information
- Increased retention of learned materials
- Improved ability to follow directions
- Improved visualization
- Better reading comprehension
- Enhanced thinking ability
- Increased motivation and effort,
- Higher expectations and aspirations
- Greater ability to handle challenges and setbacks
- Improved academic and work performance
- Increased productivity
- Better communication with parents, peers, and teachers
- Greater self-confidence