

Emerge



A Child's Place

September 2007

Occupational Therapy
Speech Therapy

Chapel Hill Office
205 Sage Rd, Ste 203
Chapel Hill, NC 27514
Phone: (919) 928-0204
Fax: (919) 928-9423

Durham Office
2919 Colony Rd
Durham, NC 27705
Phone: (919) 489-7333
Fax: (919) 489-0504

Serving children from birth
to 14 years old

Using therapy to improve
conditions such as:

Delayed Speech
Dyspraxia
Speech Impairments
Non-communicative Speech
Oral/Verbal Apraxia
Language Disorders
Feeding Difficulties
Autism/Asperger's/PDD
Developmental Delay
Cerebral Palsy
Sensory Integration
Disorders
Sensory Modulation
Disorders
Handwriting Impairments
Fine & Gross Motor Delays

A Private, Independent
Provider

www.EmergeAChildsPlace.com



Bonnie Hacker, OT
Founder / Director

A Single Tool for Improving Motor Skills, Behavior, and Cognitive Ability

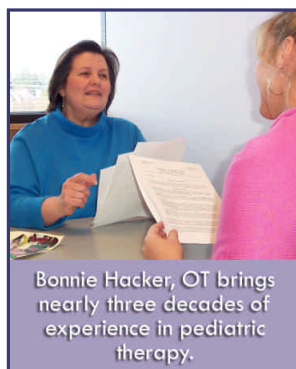
A Foundation for Many Abilities: The mental skills of motor planning and sequencing serve as part of the foundation for many other skills. Improvements in motor planning and sequencing have been connected with improvements in attention, concentration, reading skills, behavior, balance, gait, endurance, strength, and coordination. Research shows that significant portions of children do not outgrow coordination difficulties. When children have difficulty developing in these areas, assessment of and training for the elemental underlying skills may be the most efficient way to enable timely development. As with any other skill, children can practice motor planning and sequencing, improve their abilities, and have fun doing it. One of the cutting-edge tools that Emerge - A Child's Place has available for this therapy is the Interactive Metronome.

The Interactive Metronome: In a double-blind, placebo-controlled study of children diagnosed with ADHD, children working with the Interactive Metronome showed significant improvement in attention, coordination, reading, aggression, impulsivity, and other measures. In another study involving 40 students with low reading achievement, students working with the Interactive Metronome increased their reading fluency the equivalent of 1.67 grade levels after just 12 Metronome sessions. The control group of students stayed the same or went down in reading proficiency. A separate study involving 585 children found that 12 sessions of Interactive Metronome improved reading fluency by 2.25 grade levels and math fluency by 1.7 grade levels. Multiple experts have conducted trials showing impressive results with the Interactive Metronome (for more research and results visit: www.InteractiveMetronome.com). Interactive Metronome proves helpful to children with learning and developmental disorders such as:



- Sensory Integration Disorder
- Non-verbal Learning Disorder
- ADD / ADHD
- Autism Spectrum Disorder
- Dyspraxia
- Developmental Coordination Disorder

How It Works: With the Interactive Metronome at Emerge, a child wears a headset and hears tones in a rhythmic pattern. Children try to clap or tap their toes at the exact time of the tone. Emerge's Interactive Metronome uses sensors at the child's feet or worn on the child's hand to measure the timeliness of the clapping or toe tapping. This computerized system determines the accuracy of movements in milliseconds. The Interactive Metronome provides both visual and auditory feedback about the accuracy of the tapping or clapping. Years of clinical research has produced age-related normative ranges for performance, so children can be assessed for their development with these skills and trained until they reach normal or optimal development. Once children improve their rhythm, motor planning, and sequencing skills directly, improvements in motor control, cognitive skills, and behavior are often observed. Over the course of treatment, children learn to:



Bonnie Hacker, OT brings nearly three decades of experience in pediatric therapy.

- Focus and attend for longer periods of time
- Increase physical endurance and stamina
- Filter out internal and external distractions
- Improve ability to monitor mental and physical actions as they are occurring
- Progressively improve performance

For further information, please feel free to contact Emerge. To explore Interactive Metronome as an effective intervention . . .

Please tell parents about Emerge - A Child's Place
Believing in a Child's Potential to Flourish