



Targeted Cognitive Interventions (TCI) For All Students Entering Grades 5-9

TCI is offered to all Summer@Carroll students in Grades 5-9 (Lincoln Campus).

Give each child what they most need is the philosophy that sets Carroll School apart. In order to achieve this goal, we must understand and target the underlying brain capacities that inform each student's individual academic success. As part of our effort to fulfill this mission, all Summer@Carroll students entering Grades 5-9 will be provided Carroll's Targeted Cognitive Interventions (TCI).

What is Targeted Cognitive Interventions (TCI) at Carroll School?

At Carroll School, our internal testing reveals that a majority of Carroll School students with language-based learning disabilities have weaknesses in one or more cognitive domains. Important academic skills such as reading fluency, reading comprehension, and math literacy rely on underlying cognitive capacities such as reaction time, processing speed, working memory, and executive function. Analysis of post-test data suggests that children's reading can be improved through individualized, computer-based these cognitive areas.

Why TCI in the Summer?

TCI does not teach specific content, but builds the cognitive capacities necessary to access *any* content that a student will encounter. By improving the brain's ability to function efficiently, TCI helps students develop a cognitive "toolbox" that will carry them through their academic careers. Unlike other commercially available brain training programs, TCI looks at various networks distributed throughout the brain in order to target each student's individual weaknesses and improve both cognitive and academic outcomes.

How do we determine the cognitive skills that your child will work on?

Prior to TCI training, we administer assessments that measure the following cognitive domains: reaction time, working memory, executive functioning and processing speed. We then generate a cognitive profile from a student's scores. Based on this profile, each student is assigned to a specific program made up of activities designed to target his/her weakest area. TCI specialists monitor your child's progress with each activity, analyzing data and providing coaching. At the end of TCI, we administer a post-test in order to determine which cognitive domains have improved from TCI, and how much they have changed. Results will be shared at the end of the program.

What does my child do during TCI?

During TCI, students complete computer-based exercises that strengthen specific connections in the brain, enabling faster and more efficient learning. Your child will work on the set of activities designed for their specific weakness (reaction time, working memory, or executive function). Throughout the summer, students will reflect on their work and set individual goals.

More information:

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