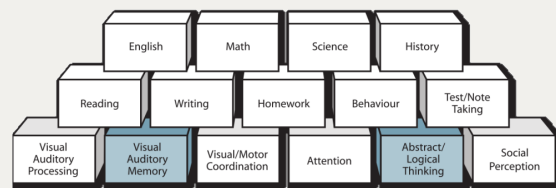


Neuroplasticity and Learning

Neuroplasticity is known as the process in which the plasticity of our brain stretches and makes new connections when stimulated through specific repeated stimuli; this process makes new connections in the brain and strengthens pathways. The brain can change through this process, and therefore overcome the challenges we face daily. Through repeated stimulation in certain areas of the brain, neurological pathways and synaptic activity, which previously lay dormant, are reactivated, and areas of weakness are strengthened. This re-trains the brain to think and work differently in order to learn new things effectively.

The Foundations for Learning



Therapist work on the foundational blocks in order to help students perform well academically (lower level), while tutors focus on curriculum areas (level 2 and 3). When these foundations are established, curriculum areas are easily grasped and students are equipped to learn alongside their peers in the regular classroom setting.

At REACH Learning Centre, we provide an educational therapy program designed to meet the needs of children who struggle in the classroom

Educational Therapy is an intensive intervention designed to aid students in overcoming learning difficulties. This intervention is individualized to each student's needs, and intentionally works to strengthen weak areas. It is highly interactive in order to engage and motivate students to learn.

Our purpose is to enable all students to learn effectively within the regular classroom setting. We desire to give help and hope to students in order for them to become independent, life-long learners.



Opportunities for growth and development

Programs Available:

Search and TEACH (5-6 years)

Early intervention for children showing early signs of difficulties.

Educational Therapy (7+ years)

Children above 7 will transition into an intensive educational therapy program.

iLs (integrated listening systems) (All ages)

An ideal therapy option to enhance sensory input, attention and focus.

RX for Discovery Reading, Writing and Math - small group instruction

Designed to enhance skills in reading development, the writing process and develop math number sense and fluency.

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 **REACH**
EDUCATIONAL THERAPY



 **REACH**
EDUCATIONAL THERAPY

Helping children REACH their potential



**Educational
Therapy**

Individualized

Through assessment, each student's needs are identified and program planning is designed to build strength in areas of difficulty.



Search and Teach

A program specified for students ages 5-6 years to detect children who are vulnerable to learning failure and to offer educational interventions before failure has occurred. This program is a preventative approach for problems in reading, writing and spelling for children who show early signs of difficulty.

SEARCH enables early identification in areas of strengths and weaknesses for skills which are basic to school readiness.

The purpose of TEACH is to help children who are vulnerable to learning difficulties acquire the skills identified through SEARCH, and intervene in the early years before the gap between their ability and that of their peers widens. By systematically approaching areas of weakness, foundational skills are built to help students learn effectively in school without the need for remedial or prolonged programs in the later years.

Educational Therapy

Educational therapy is a program designed to meet the needs of children who struggle to learn in the classroom. Twice per week, children work one-on-one with a therapist to overcoming areas of difficulty. By building confidence and competence, students become aware of their strengths and use them to overcome areas of weakness. With intentionality therapists use a variety of research based techniques, which in turn teach concepts to learning, building a firm foundation for learning.

Targeted areas include:

Reading: phonological processing, decoding, encoding (spelling), comprehension, vocabulary development and fluency.

Writing: Motor coordination for handwriting, sentence and paragraph structure, punctuation and grammar.

Math: reducing math anxiety, enhancing number sense, math fluency, math vocabulary, problem solving strategies, and practical application of math.

Cognitive Skills: Auditory and visual processing, executive function skills, higher order thinking, short and long term memory, and organization skills.

Intentional

Through a focus on problematic areas, programs are intentional and provide opportunities for students to grow in confidence and competence towards achieving their goals

Interactive

Through hands on manipulation with educational materials, students learn concepts much easier by using a multi-sensory approach to learning.

Integrated Listening Systems

iLs is a neurological program which strengthens the processing systems in the brain. It is a multi-sensory program that combines auditory stimulation (high/low frequency music) with movement and visual activities. It targets the sensory systems, helping day-to-day functions such as learning, communication and movement. It is used most often to improve function in the following areas:

- Learning difficulties such as reading, writing, attention, processing and cognitive function
- Down syndrome, Autism, and premature birth
- Rehabilitation for brain injury and strokes
- Anxiety and sleep-related problems

The vestibular system, which is housed in the brain, sends signals all over our body. When these signals are strong, learning becomes faster and thought structures are strengthened. This system trains the brain to process and manage sensory input.

iLs helps to enhance:

- | | |
|--------------------|----------------------------|
| • cognitive skills | • auditory discrimination |
| • communication | • eye tracking |
| • concentration | • balance and coordination |
| • memory | |
| • organization | |

Supports for Schools

SEARCH and TEACH is a program specified for students ages 5-6 years old and is used to detect children who are vulnerable to learning failure and offer educational intervention before failure has occurred. Search and Teach does not diagnose learning disabilities, but is used as a tool to enhance learning ability.

Rx for Discovery Programs are designed for small group instruction intended for students struggling in one specific content area such as Reading, Math or Writing.

RX for Discovery Reading - takes the five essential components of reading – phonemic awareness, phonics, fluency, vocabulary and reading comprehension – and systematically teaches students each component.

RX for Discovery Math - builds and strengthen number sense, math fluency, math vocabulary, and problem solving strategies. Students will be challenged to apply their growing understanding of number sense to problem solving activities that promote thinking and reasoning.

Rx for Discovery Writing - Students who need to master basic grammar and writing skills will most benefit from this program. The object is to apply their growing understanding of grammar to the creation of sentences, paragraphs, and compositions.

