

# HOW ONE CHILD ACHIEVED INDEPENDENCE WITH NEUROFIT

## Tyler's Story



### ABOUT TYLER

When he was in kindergarten, Tyler's family learned he had ASD, which made it challenging for him to communicate and complete tasks like some other kids. At 13-years old, Tyler's journey to find the best support for his ASD was far from over.

### TYLER'S CHALLENGES

Tyler and his family had been to many therapy appointments to help him gain the tools to be more independent, but as Tyler was getting older and his life changed, he still faced several challenges that he needed added support to overcome.

#### THE CHALLENGE

- Difficulty controlling **impulsivity** and **disruptive behaviour**
- Reduced **short term** and **working memory** capacity.
- Easily **distracted** and **over-stimulated** by new places/things.
- Challenges following directions or **processing information** and **social cues**.

#### IMPACT ON LIFE

- Difficulty **participating in classroom** and **communicating** with others.
- Limited **vocabulary** and **independence** as unable to recall daily routines.
- Difficulty following **directions** and engaging in **organized play**.
- Difficulty **forming relationships** with peers and **communicating** verbally.



Tyler's teachers and family said that he was an outgoing kid, and that they hoped to help him be more confident when facing new challenges so he could enjoy more of the world and make new friendships as he got older.

His therapy team felt that it would benefit Tyler to have more time strengthening the skills they learned in their sessions, but it was difficult for his family to devote more time to travelling to the clinic. They needed an at-home tool to use instead.



## THE SOLUTION

Neurofit partnered with Tyler's family and team of therapists to address what was needed for Tyler's care, in particular: maintaining **engagement**, maintaining the **challenge**, and providing them the ability to **evaluate progress at any time**.

Ultimately Tyler and his family chose Neurofit because:

- It personalized to his unique needs, and automatically adapted to his abilities.
- Could be used remotely or via tele-therapy, and his data accessed at anytime.
- The gamification made the exercises feel like *fun* for Tyler, so he remained engaged with and actively wanted to continue his therapy.

## TYLER'S OUTCOMES

Over 4 weeks, with daily use.

64%

### IMPROVEMENT IN MEMORY

Others like him have seen a **61%** improvement, on average.

29%

### IMPROVEMENT IN ATTENTION

Others like him have seen an **28%** improvement, on average.

77%

### IMPROVEMENT IN PROCESSING

Others like him have seen an **81%** improvement, on average.

Beyond the data that Neurofit provided, we could see [Tyler] improve. He is much more independent and actually looks forward to going to the clinic.