



Immersive / Experiential Learning in Virtual Reality for Skill Acquisition



Floreo

Research-backed, Telehealth Ready Virtual Reality

Floreo is a **FDA Breakthrough Device** that improves outcomes and access to quality therapy services.

Floreo is inspired by founder Vijay Ravindran's autistic child's first experience with VR where early engagement correlated to developmental progress

At Floreo, we believe in **creating safe, supportive digital spaces for neurodiverse people** to practice **critical skills and thrive**.

Floreo's research-based simulations are developed by clinicians, therapists, engineers and neurodiverse people

[NYT 2022 Floreo piece](#)



Floreo

How it works



[Floreo in action](#)



Learners

Learners view the Floreo platform via mobile VR headset



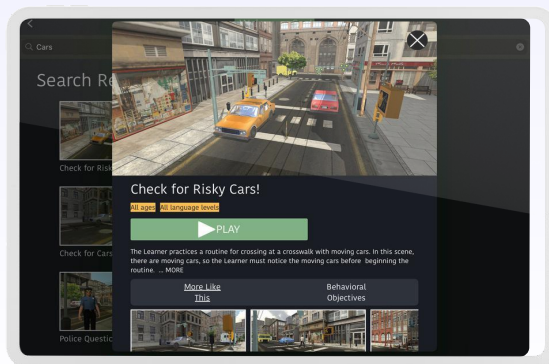
Coaches

Coaches (e.g. therapists) chose Floreo learning modules and view what the child is seeing via tablet or iPad



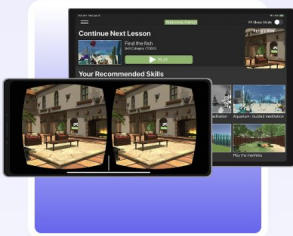
Results

Learners interact in Floreo VR world are able to learn essential life skills (such as how to cross the street) as well as social, behavioral & communication skills



How Floreo Works

The Learner engages with Floreo using the VR headset, while the Coach follows along on an iPad to guide progress throughout the experience.



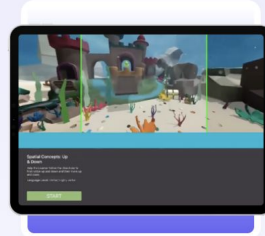
1

The coaching device(s) and learning VR headset are paired to the Floreo app.



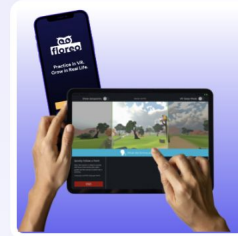
2

The VR headset is put on the Learner to stream the lesson. The Learner experiences the immersive experience.



3

The VR lesson is streamed in real-time to the coaching device.



4

The coaching device uses a co-pilot mode to direct the lesson and learning experience, providing guidance, instructions, and praise language throughout.



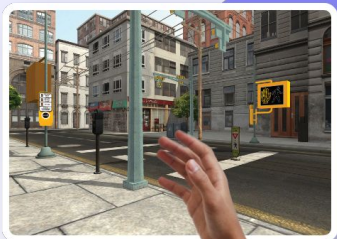
5

Review the Learner's lesson completion and progress in the Floreo portal.



Floreo

Achieving more goals, in less time, with the ability to learn remotely



Floreo clients:

- mastered **67% more long-term goals**
- mastered **42% more short-term goals**
- **require 39% less hours of treatment** to make the **same or significantly higher gains** than clients w/o Floreo
- met **73% more goals** than virtual clients w/o Floreo

Floreo delivers better results, in less time, with the ability to serve more learners remotely



Who Uses Floreo

Immersive experiences meticulously designed to accommodate and support individuals with **diverse neurological profiles** as young as age five on through adulthood.

Whether in-person or via teletherapy, Floreo's growing library of clinician-designed lessons offers an immersive learning world that can be customized to best serve individual client/patient goals.

A multi-disciplinary tool used in:

- Behavioral Therapy
- Speech Therapy
- Occupational Therapy
- Psychotherapy
- Physical Therapy
- Special Education
- Life Skills/Vocational Rehab



Benefits of VR in Therapy for Neurodiverse Learners

- **Safe and Controlled Environment** - VR allows for the simulation of real-world scenarios, many of which are difficult (if not impossible) to engineer and replicate in a clinical setting, often due to safety concerns or logistical challenges.
- **Individualized and Tailored Interventions** – Lessons in VR can be customized to cater to the unique needs, preferences, and sensitivities of each individual (ex., non-verbal to minimally verbal to highly verbal). This level of personalization is crucial in designing interventions that are effective and engaging for each Learner.
- **Social Skills Training** - VR offers a platform for structured and repeated practice of social skills in life-imitating settings. This provides individuals with different abilities a chance to explore social opportunities they may not typically find outside a clinic setting, allowing them to build social skills confidently by interacting with avatars.
- **Sensory Integration and Desensitization** - VR can be used to expose individuals to stimuli in a gradual and controlled manner, helping them build tolerance and reduce anxiety.
- **Reduced Fear of Judgement** – VR provides a forgiving environment where individuals can practice skills without the fear of immediate consequences, helping them to gradually build confidence as they grasp concepts over time.



Using Floreo for Independence and Employment

- TN DIDD partnership to develop modules in three areas:
 - Using Public Transportation
 - Time Management
 - Teamwork
- Shopping at the Grocery Store
- Crossing the Street
- Bullying
- Law Enforcement Encounters
- Airport TSA Lines



View a short demo here: <https://vimeo.com/655491095>

Demo

