

✱ Education

Ardnashee School & College

Case Study

Location

Derry, Northern Ireland

Date

February 2025

Project

Sensory and immersive
installation in collaboration
with Woodvale Construction

Product

Multi-sensory rooms and
immersive learning spaces



 **aurora**





About Ardnashee School & College

Ardnashee School & College is a leading educational institution dedicated to supporting children and young people aged 3–19 with a wide range of complex needs. As part of their vision for a modern, inclusive and innovative learning environment, the school worked with Woodvale Construction to deliver a brand new, purpose-built campus designed to promote creativity, sensory stimulation, and engagement.

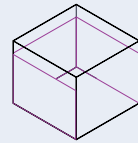
The opportunity

Recognising the importance of sensory and immersive experiences in enhancing both academic and emotional development, Ardnashee sought to integrate bespoke environments that would cater to their learners' diverse needs. The goal was to create calming and stimulating areas where pupils could regulate their emotions, build social connections, and enjoy immersive, curriculum-based activities.

The process

As a preferred supplier to the Education Authority of Northern Ireland (EA), Aurora by Osborne Technologies was selected to deliver the sensory and immersive environments, thanks to their reputation and expertise in creating innovative educational spaces. Working closely with Woodvale Construction and Ardnashee's team, Aurora developed custom solutions tailored to the school's goals and pupil needs. Designs were carefully planned to reflect the therapeutic and educational requirements across the campus. Aurora's collaborative work with schools and organisations under the EA umbrella reflects their shared goal to create inclusive, innovative, and engaging learning.

The solution



Stitched
projection



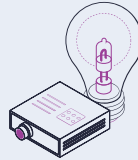
Multiple
projectors



Audio
system



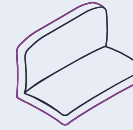
Environmental
effects



Dynamic
lighting



Sensory
elements



Padded
furniture



Aurora
Console

A series of spaces that are fully accessible, adaptable, and centrally managed, giving educators the flexibility to meet individual needs in a supportive and inspiring environment:

Immersive classroom

A three-wall immersive classroom featuring one of Aurora's largest-ever projections, designed for dynamic, curriculum-led experiences that spark imagination and deepen learning.

Sensory rooms

Fully equipped spaces with immersive projection, lighting, and audio, enabling both calm and interactive experiences tailored to individual needs.

Sensory alcoves

Areas with water beds, cause-and-effect lighting, and interactive equipment that support learning through exploration, touch, and movement.

Soft play areas

Rooms with fully padded walls and flooring that provide a safe space for active, physical play.

Wizefloor interactive floor

A dedicated Wizefloor Pro area within the drama suite, encouraging movement and collaboration through interactive floor projection activities.

Audiovisual (AV) System

Customised AV solutions enabling control of projection, scent, lighting, and sound.

The results

The sensory and immersive spaces are now an integral part of daily learning and therapy at Ardnashee. They offer students a way to express themselves, find comfort, and experience the curriculum in a truly engaging way. These tailored environments aim to support emotional regulation, communication, and behavioural engagement, particularly for learners with higher sensory needs. The project exemplifies how thoughtful design and expert collaboration can transform special education environments.





To find out how we can bring your next project to life,
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