bolton college case study

BOLTON COLLEGE

FutureVisuals

executive summary



Bolton College partnered with us to create a cutting-edge immersive learning environment that supports its commitment to delivering high-quality vocational education through innovative teaching methods. Seeking a flexible space that could be used across a wide range of curriculum areas, the college required a solution capable of engaging students, enhancing learning outcomes and adapting to the diverse needs of both learners and educators.

To achieve this, we designed and installed a bespoke three-wall immersive classroom using advanced projection mapping and interactive technologies. The solution combines floor-to-wall projection, interactive sensors, high-quality audio, dynamic lighting and environmental effects to create fully immersive, multi-sensory learning experiences. The result is a versatile teaching space that enables Bolton College to deliver engaging, realistic and curriculum-focused lessons, helping to prepare students with the skills and confidence needed for future employment.

goals & objectives





The primary objective of this project was to create a flexible, future-ready immersive learning environment that enhances teaching, training and student engagement across Bolton College's diverse curriculum. Designed to support learners of all ages, the space provides an innovative platform for delivering interactive, real-world educational experiences.

Working closely with Bolton College, we aimed to develop a solution that would:

- Create a fully immersive, multi-sensory learning environment that supports engaging and memorable teaching experiences.
- Provide a versatile space capable of supporting vocational training, role play, staff development, wellbeing activities and student enrichment.
- Enable realistic simulations that prepare students for industry by recreating workplace environments and real-world scenarios.
- Support a wide range of teaching methods, including quizzes, collaborative learning, presentations, exhibitions and mixed reality experiences.
- Deliver a future-proof solution that can evolve with emerging technologies, including AI-generated content and new immersive learning applications.
- Equip staff with the knowledge and confidence to maximise the potential of the immersive classroom through comprehensive on-site training.

The completed immersive classroom has become a transformative teaching resource, empowering Bolton College to deliver innovative learning experiences that improve engagement, develop practical skills and prepare students for future education and employment.

definition & scope



PHASE 1

Immersive Teaching & Learning

The immersive classroom was designed to enhance teaching and student engagement through interactive learning experiences. From quizzes and formative assessments to role play and realistic vocational simulations, the space supports a wide range of curriculum activities across multiple subject areas.

PHASE 2

Training & Collaboration

The solution provides a flexible environment for staff development, collaborative workshops and professional training. Realistic simulations enable hands-on learning, emergency response exercises and practical skill development in a safe, controlled setting.

PHASE 3

Future Innovation & Enrichment

Designed with future growth in mind, the immersive classroom supports student inductions, wellbeing sessions, exhibitions, esports streaming and emerging mixed reality experiences. Its adaptable technology ensures the space can continue to evolve alongside new teaching methods and AI-driven content.

The immersive room has become a powerful tool for teaching, training and transformation across the college, bringing industry environments into the classroom through engaging, interactive experiences.

From the initial concept through to installation and delivery, Future Visuals were creative, collaborative and completely committed to helping us achieve something truly transformative for our staff and learners.

Bolton College

Transform learning with immersive environments.

Ready for lift off?

Book a demo.

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