



St Margaret's School

Bushey, Hertfordshire

*A brand new multi-activity, flexible practical teaching space for
fabrication, CAD/CAM, textiles, design,
and robotics.*

St Margaret's School is a co-educational, independent school for pupils aged 2 to 18 based in Bushey, Hertfordshire. The innovative and forward-thinking school welcomed Sima Bhudia to her new role as Head of Design & Technology in September 2022. Her brief included the planning and implementation of a brand-new Design & Technology facility which also introduced enhanced STEM teaching and learning.



WF Education worked with Sima to convert what was initially a 'tractor shed' into two functional D&T/STEM classrooms for multiple D&T activities, a CAD/CAM workshop, and a prep room.

'STEM is where we are heading now! Our spaces, and our teaching need to be flexible enough to teach cross-curricular, where maths and science come into projects and the science and maths teachers also teach - applying the knowledge of maths, science, and D+T. and bringing it all together!'

Sima Bhudia
Head of Design & Technology, St Margarets School





To fulfill her dynamic, multi-activity D&T and STEM timetable, Sima needed a versatile and adaptable space, enabling her to adapt her practical teaching space for fabrication, CAD/CAM, textiles, design, and robotics. Working in a relatively small space - flexibility was key. Ensuring furniture could be moved fast between lessons was essential, including the ability to set up robotics quickly and easily and reconfigure for the next lesson. Akira™ mobile systems and quick setup robotics arenas delivered St Margaret's School exactly that!

'The process was fantastic, trying to transform a space that was initially a tractor shed into a classroom was a mammoth task. WF were by my side the whole way through the process. They understood D&T, what needed to be done, and had experience working with schools, offering great support and guidance along the way.'

Sima Bhudia


Head of Design & Technology,
St Margaret's School



Through close consultation with Sima and the school's project team, WF Education's Design Team completed the FF&E space planning and mechanical and electrical (M&E) plans which resulted in the installation of an adaptable workshop and classroom, CAD/CAM workshop and prep room. The spaces included a range of mobile workbenches and mobile machinery, and equipment including a TX252 80W Glass Tube Laser Cutter package, a C R Clarke Model 600S Strip Heater, TSL educational bandsaw, plus sewing machines and a wide variety of hand tools, power tools, and materials.

The addition of storage for hazardous goods, large storage cupboards, material racking, and the Akira™ under-bench storage cupboards has given Sima and her students a safe, clean, and tidy practical teaching environment where materials and tools are easily accessible.

The Kiwi Green finish from the Akira™ colour palette has created a vibrant and contemporary environment for students and teachers, which will continue to spark innovation and creative minds for years to come.



'WF helped me plan how I wanted to teach in the space that I had, with regular meetings, they were also open to changes along the way'

