



THE DOME

AT NEW CANAAN HIGH SCHOOL

A STATE-OF-THE-ART IMMERSIVE AND INTERACTIVE LEARNING THEATER

GOAL: Transform the original 1971 New Canaan High School planetarium to create a new state-of-the-art dome theater and classroom environment to be used by students K-12. A new seamless dome, room design, and modern technology will support future generations of innovators, content creators, problem solvers, and performers.

A FULLY RENOVATED SPACE WITH ENDLESS POSSIBILITIES FOR INNOVATION

The new 30-foot dome theater design includes state-of-the-art projection technology, sound and lighting systems, a blend of theater-style reclining seats, and modular furniture that will transform this multi-use space for students of all ages to engage in learning and be inspired. The dome design creates a modern learning environment for groups of students, small and large, to foster collaboration and creative problem solving.

AN IMMERSIVE EXPERIENCE FOR ACADEMICS AND THE ARTS

Teaching and learning in the dome takes on a whole new dimension in a variety of disciplines, including biology, mathematics, physics, history, art, and more. Digital dome capabilities will provide awe-inspiring educational experiences that go far beyond night-sky astronomy. The dome will visually immerse students K-12 in the depths of the ocean, layers of the earth, the human body, and more, bringing static concepts to life and supporting students' spatial understanding and awareness across academic subjects.

TECHNOLOGY TO ENABLE NEXT-LEVEL INTERACTIVE LEARNING

A Digistar 7 platform, dual 4K projector and LED cove lighting offers unmatched clarity, brightness and optics to display crisp star fields and galaxies, vivid full dome videos, and real-time graphics. Teachers and students will access live feeds and examine visual representation of data from world-renowned institutions. With the touch of an Xbox controller, they can fly down to the surface of the planets, into valleys, and through mountain ranges on Earth and beyond. Student-generated content, multi-media presentations, and live broadcasts can also be displayed onto the dome. Cutting-edge technology helps spark curiosity and increase opportunities for observation, analytical thinking, design, and discovery.

