

THE PROJECT

The Waterford School, intends to build a science and computer science facility for its Middle and Upper school programs. The new building will provide the amount and type of space required to teach using today's hands-on, learning-by-doing methodologies. DOBER LIDSKY MATHEY'S (DLM) charge was to help the School develop a facility program for the new space and determine the best location for the new building.

CHALLENGE

Recent growth in enrollment has caused a general lack of space on campus. Most of the buildings were not designed for teaching science, and provide traditional classrooms rather than laboratories. In addition, the sciences are spread across campus.

SOLUTION

A new science building will be located in the south quadrant of campus, defining the east edge of a quadrangle bordered by other academic buildings. The space will be designed for the three basic science disciplines — biology, chemistry, and physics — but will be able to adapt to any interdisciplinary subjects that evolve in the future. The teaching labs will accommodate both lab and lecture formats. There will be space for students to work on long-term projects, and space for up to six students to collaborate informally. Administrative space will include a school-wide Teacher Resource Center where materials, both printed and electronic, will be available to all teachers.

Within the new building there will be a children's museum, which will be used by the community and as a resource that will encourage young students to become interested in, and knowledgeable about, science. Space for the School's Information Technology Department will also be included.

RESULTS

The School is in the process of funding-raising for the new building and necessary renovations.

*Project completed under previous name: Dober, Lidsky, Craig and Associates, Inc.

REFERENCE

Nancy M. Heuston
Head of School
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The Waterford School - Science Facility Program 2006

Space ID: WS-01

PART II - SPACE DETAIL

GENERAL SPACE DESCRIPTION

Space Type: Classroom
 Department: 1-Science
 HEGIS: 110
 NASF per Space: 600
 Number of Similar Spaces: 1
 Total NASF: 600
 Stations: 24
 Usage Hours per Day:
 Space Use: Lecture, discussion, audio / visual presentation.

WS-01

PROXIMITY AND ACCESS

Adjacent to Spaces:
 Doorway to / from: Corridor
 Near Spaces:
 Access Restrictions: Limited access

ARCHITECTURAL CHARACTERISTICS

WINDOWS
 Required
 Request No Windows
 Optional
 Operable
 Room-darkening Devices
 Observation Window
DOORS 3'6" x 7'
 Lock / Master Key Swipe Card
 View Panel
OTHER ARCHITECTURAL CHARACTERISTICS
 Room Signage: Room number and name on adjacent wall, and in Braille for ADA.
Floor Loading: Standard floor loading
Floor Config: Flat
Floor Finish: Resilient, chemical- and stain-resistant, anti-static carpet
Wall Finish: Paint
Ceiling Finish: Acoustic surface
Ceiling Height: No special requirement
Acoustics: Not to exceed NC 30-35; sound isolation required between teaching spaces

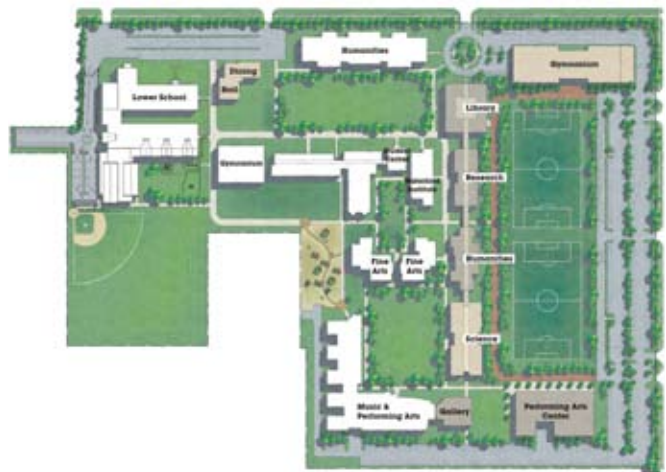
HVAC

Temperature: Standard 63°F to 76°F
 Humidity Control
 Zone Controls: Individual room control
 Pressure: Positive
 Hoods: Number _____ Size: _____ Laminar Flow
 Hood Utilities: Sink Water: H, C Gas 110V
 Vented Cabinet
 Other:

ELECTRICAL AND COMMUNICATIONS

OUTLETS
 110V 1 Phase, Ground (Std) 220V 3 Phase, Ground
 220V 1 Phase, Ground 480V 3 Phase, Ground
 Standard Duplex: Along Walls At each Work Station
 Special Location: Ceiling Floor Counter
 Plug Molding: Wall Counter
 Ground Fault Interrupter Waterproof Outlets
 Local Emergency Power
 Emergency Power Shut-off
 Other:
BUILT-IN ROOM LIGHTING
 Fluorescent
 Incandescent
 Waterproof Fixtures
 Special Controls: Dimmer Zoned Switching
 Other:
COMMUNICATIONS
 Voice Phonetel
 Data Data Ports: 26 Wireless Net
 Other: Ceiling service for AV

FACILITY PROGRAM SHEET



CAMPUS MAP

PRINCIPAL IN-CHARGE
 Arthur J. Lidsky, AICP
 Study Director

