

**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  
801 816 2205

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, FAAAS  
 Study Director

