



BEFORE . . .

- Standard issue 1960s high school architecture, with cookie-cutter classrooms off of long hallways.
- Research labs crammed into ordinary high school lab space and spread around the building's first floor.
- Inflexible learning spaces, with no space for research projects in process, no classroom space for lab use, and insufficient counter and cabinet space to house needed equipment and supplies.
- Untidy, unused courtyards with no visual connection to the rest of the building.
- Unreliable HVAC systems that create hot and cold zones throughout the building, and frequent power and server outages.
- A growing number of learning cottages behind the building.
- Students eating lunch on hallway floors.
- Few large gathering places and virtually no small spaces for students to work and relax together.



AFTER . . .

- ★ A flexible learning environment that supports TJ's focus on collaborative, interdisciplinary, and project-based learning.
- ★ A variety of learning space sizes, with the qualities that give teachers and students the flexibility to choose the right space for different learning and student activities.
- ★ Learning spaces outside of classrooms so students can access workspaces and technology to support their learning.
- ★ Visual and physical connections to the courtyards to bring light into the building and encourage use of the outdoor spaces.
- ★ A "high performance" building that uses energy efficiently and provides a comfortable, healthy environment for students and teachers to do their best work.
- ★ Enhanced building capacity to eliminate the need for learning cottages.
- ★ Architecture and design that celebrates science and technology.

Thomas Jefferson High School for Science & Technology



Renovation Update

Ballou Justice Upton, Architects

Existing: 262,664 sq. ft.

Completed: 393,833 sq. ft.



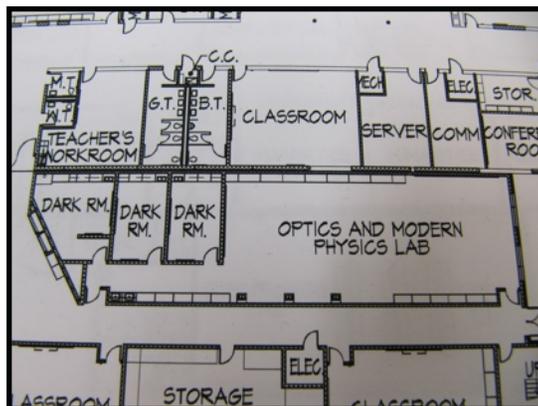
THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE & TECHNOLOGY

Two-Story Research Lab Addition

All Research Labs will be located at the front of the school and will include a separate area for classroom instruction. Labs will also include infrastructure for existing equipment and accommodations for future equipment in their dedicated lab area.

First floor Labs: Oceanography, Chemical Analysis, Neuroscience, Prototyping, Energy Systems, and Quantum Physics & Optics.

Second floor Labs: Computer Systems, Biotechnology (2), Mobile App & Web Design, Robotics, Electronics, and Engineering Design.



New & Renovated Spaces

- ✔ Lecture Hall
- ✔ Global Learning Center (the new library)
- ✔ Commons located throughout the school to provide space just outside the classrooms for student collaboration and socialization
- ✔ Reworked courtyards include a small amphitheater, class gathering space, and eating areas.
- ✔ Interior windows and multiple entrances to the courtyards provide connection from many areas of the school.
- ✔ Kitchen and cafeteria are reworked and are joined by two small remote serving lines.

New Building Features

- ✔ Photovoltaic panels for hot water system
- ✔ Rainwater harvesting system
- ✔ New finishes and new seating in the Auditorium
- ✔ Renewal of Gym I and Gym II
- ✔ Complete renovation of the locker rooms and team rooms
- ✔ Sun screens on the south-facing windows
- ✔ Building upgraded to meet Americans with Disability Act design standards