



Casework Solutions

Education

At TMI Systems Design Corporation, we believe that education is the greatest gift one generation can bestow upon another. We are exceedingly proud of our long and established involvement in education. All across the continent, from preschools and kindergartens to colleges and universities, TMI casework, countertops and architectural woodwork facilitates the process of teaching, learning and discovery.

Expertise In Education



Science Room

Lincoln Middle School
Indianapolis, Indiana

Integrated work spaces and storage systems play an important role in the educational environment and in the process of teaching. They must support evolving curriculum, serve new staff, and accommodate ever-changing technologies. In addition, shifting demographics alter classroom dynamics.

For over thirty years, TMI has been a leading manufacturer of casework for educational environments. Each year, we provide casework for over 600 schools. Our fixed modular, flexible rail-mounted, and mobile

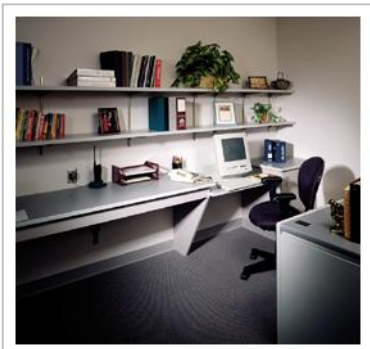
storage systems allow schools to respond to changing work space and storage requirements.

Classroom

Bluff Creek Elementary School
Chanhassen, Minnesota



Work space and storage needs, however, extend well beyond the classroom. Other applications include libraries, technology labs, administrative offices, reception counters and teacher workrooms. In all instances, TMI provides appropriate solutions.



Principal's Office

Desert Mountain High School
Scottsdale, Arizona

In addition, we can integrate architectural woodwork and countertop options into any application to provide a cohesive, functional, attractive environment.

For any school to be fully effective, it must meet the accessibility requirements of all students, including those with special needs. Our flexible rail-mounted casework and standard hardware package is

responsive to the requirements of the Americans with Disabilities Act (ADA).

Classrooms

Well designed storage systems serve the specific needs of classroom applications while contributing to the overall classroom atmosphere. We design them to be bright, comfortable, and accessible, and we build them to be strong, tough, and durable.

Classroom

Greenbriar Elementary School
Indianapolis, Indiana

TMI casework lasts, meeting or exceeding industry construction standards. It withstands everyday wear and tear, and it is backed by a five year guarantee and limited warranty. Please see your TMI dealer for details, terms and conditions.

Each and every classroom has its own unique storage needs, but all usually include several bookshelves and storage cabinets. Whether fixed or rail-mounted, casework in elementary classrooms should be designed to support contemporary teaching styles.



Today's schools are placing greater emphasis on providing a relaxed learning environment for students. TMI is committed to creating comfortable classrooms and study areas for students of all ages. The difference of even a few inches in counter height (demonstrated in the photo at the left) can greatly influence a child's comfort and educational experience.



Classroom

Head Start
Grand Forks, North Dakota

General classroom storage requirements are usually minimal. But instructional aids such as chalkboards, tackboards, maps, and projection screens are always needed. By choosing TMI's flexible rail-mounted casework, as used in the Doe Creek Middle School classroom shown below, the classroom can easily be adapted from mathematics to social studies or to other subjects as curriculum or enrollment changes. Even chalkboards, tackboards, and marker boards can be rail-mounted for enhanced flexibility.

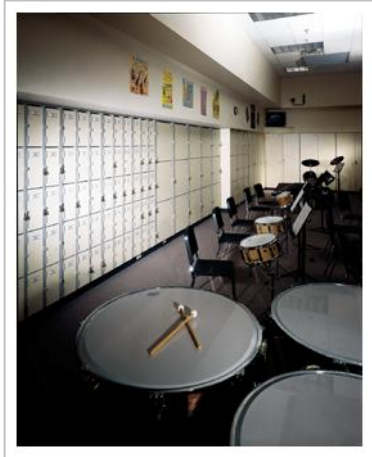
Classroom

Doe Creek Middle School
Indianapolis, Indiana

Once students reach middle and high school, storage needs become more specialized. Sciences, life skills, music, technology, and other disciplines all have particular storage requirements.



Music Instrument Storage



Music Room

Altadeena Middle School
Phoenix, Arizona

Music storage systems have numerous demands. TMI manufactures top quality, durable casework able to withstand the everyday use and abuse that music storage systems endure as students repeatedly store and retrieve heavy instrument cases and equipment.

Our instrument storage cabinets feature high density polyethylene shelves and unit bottoms with textured surfaces. They provide exceptional durability and excellent wear resistant characteristics. The front nosing offers superior impact resistance and smooth surfacing.

Music Storage Cabinet

Altadeena Middle School
Phoenix, Arizona



Each instrument requires its own unique shape and size storage units. Instructors who have used TMI's fixed modular casework systems for music storage have found it to be quite accommodating for instruments and equipment of any dimension.

All TMI music specialty units are available with a variety of front treatments: open (no doors), full height solid or wire grille doors and, on most units, individual compartment solid or wire grille doors.



Music Room

Altadeena Middle School
Phoenix, Arizona

All doors are provided with epoxy coated five knuckle institutional grade hinges, spring loaded latch with integral label holder, padlock eye and bumper pad. The latch is covered with a vinyl protection cap. TMI also offers gown and uniform wardrobe units to accommodate any number of uniforms, hats and shoes.

In addition to instrument storage items, TMI provides an array of music specialty units including sheet music sorting racks, director's podiums, and director's platforms. All music cabinets and specialty items are available in a wide array of laminate colors.

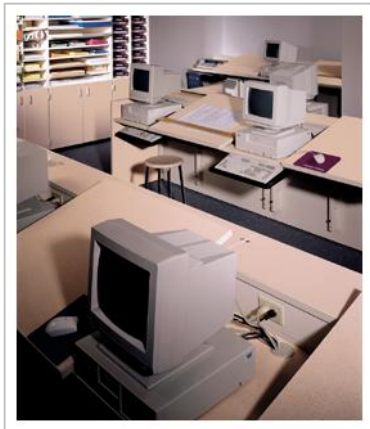
Technology Centers

Technology Lab

South Middle School
Grand Forks, North Dakota



As technology continues to play an increasing role in all academic disciplines, we are dedicated to enhancing the classroom setting to keep pace. Today's technology is changing fast. Already, new technology stations are being added for applications such as physiology and bio-technology, and no one knows what tomorrow will bring. By combining our fixed modular, flexible rail-mounted, and mobile storage systems, we are designing technology labs that have the ability to change, relocate storage, reposition countertops, add new services or reconfigure layouts to keep pace with new curriculum, students and technologies.



CAD Lab

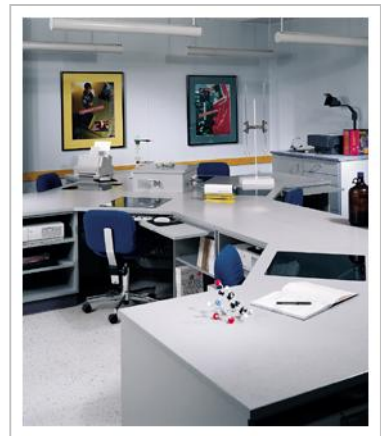
Central High School
Grand Forks, North Dakota

Not all work stations have identical requirements. Some stations require each student to have a computer and sufficient work space. Some only require one computer which is shared by two or more students.

The TMI system allows the room to be reconfigured in numerous ways as needs change. Stand-up stations can convert to sit-down stations; units may be lengthened or shortened as needed, and may be adjusted to adapt to one or two computers; and rail-mounted wall units may easily be moved to accommodate aero-dynamics and robotics equipment.

Technology Lab

South Middle School
Grand Forks, North Dakota



We are concerned with the human elements that go into technology centers. Instead of students having to conform to the casework, the TMI systems adjusts to fit the students. To avoid back strain, for example, student stations may offer height adjustability. To prevent pain in hands and wrists from lengthy typing, we have installed a palm rest on the articulating keyboard tray, which adjusts vertically and tilts 15 degrees.

Wire management is a serious consideration. We are not only concerned with solving the problem of all the unsightly wire runs, but realize immediate access to these services is necessary. All wires remain out of sight, avoiding a potential hindrance to students working in the space.

Technology Centers



Technology Lab Student Station

Flexible Rail-Mounted Casework

By taking advantage of TMI's product flexibility, architects have found efficient solutions to the design challenges of technology labs. We have the experience, the products, and the resourcefulness to properly furnish casework within any school budget. From lab layouts to room furnishings, TMI storage systems help utilize space to its fullest.

Our approach is to provide total, integrated systems of work space and storage modules. Components and entire units work in concert to provide an ergonomically sound, aesthetically pleasing learning center.

In addition, we account for all details such as locked storage systems to protect expensive computers and equipment.

Technology Center

Red River High School
Grand Forks, North Dakota



TMI's laminate casework provides both functionality and aesthetics to technology labs. Upon entering a lab designed with TMI's casework, students experience an environment that conveys order and enhances the desire to learn.

Unlike some systems which can be quite obtrusive, our casework systems are profiled to leave the sight lines open, allowing the instructor to observe the entire classroom.



Technology Lab Planning

Computer Generated Classroom Design

Architects working on technology lab projects often want to explore all design and casework possibilities. Along with our dealer network, our Planning & Design Department is a valuable resource available to architects and users requesting design assistance. We can share technology center layouts, such as that shown above, which have proven to be successful in other schools.

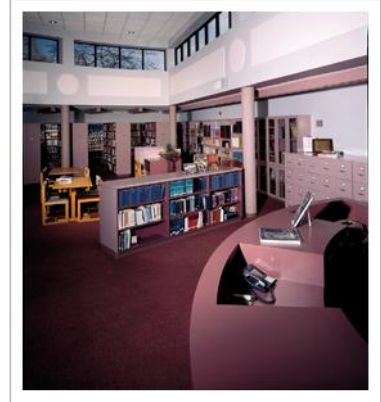
Library & Media Centers

With the incorporation of computers, technology, and other non-traditional resources into the learning and research environments, today's libraries and media centers face numerous challenges. Specialized storage systems are necessary in order to keep up with new materials and technology.

Library Facility

Fairmont Temple School
Beachwood, Ohio

Our fixed modular, flexible rail-mounted, and mobile casework is designed to accommodate space for new materials and equipment.



Specialized Library Furniture

Cason Lane Academy
Murfreesboro, Tennessee

We provide numerous specialty casework items to fulfill the many unique requirements of libraries, such as charge desk units, card files, computer stations, book return stations, newspaper racks, magazine displays, and study carrels. In addition, locked storage systems help protect valuable computers, equipment, and other materials.

Media Center

Doe Creek Middle School
Indianapolis, Indiana

By combining our casework and architectural woodwork capabilities, we can design libraries that are not only functional and durable, but on the leading edge of aesthetics as well. Our architectural woodwork will be compatible with the overall architectural style of the building and will match the casework. Decorative possibilities are limitless due to the wide variety of colors, shapes, sizes and textures available.



Science Labs



Four Station Octagonal Student Island

Norwood High School
Norwood, Minnesota

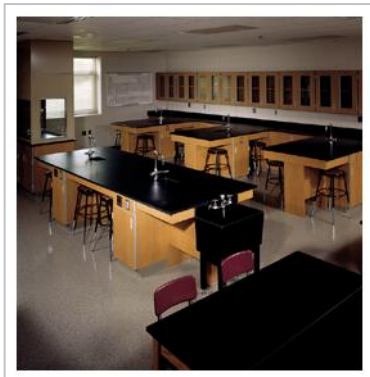
Science lab layouts are designed to accommodate supervision of individual or partnered project work or large group instruction. When the room is open visually, the instructor is able to maintain a sight line across the entire classroom. Educators who have used our fixed modular and flexible rail-mounted casework have found it to be exceptionally effective.

TMI offers science labs with double-faced frame assemblies which may be combined with fixed modular undercounter units. They may be used to create free-standing geometrical student stations, or they may abut perimeter storage to provide double-faced peninsula stations. All assemblies will accommodate utility runs, provide desired knee space, and support selected work surfaces.

Science Lab Peninsula

Lake Junior High School
Woodbury, Minnesota

With the increasing need for electrical services in science labs, we can accommodate specialized requirements such as ground fault interrupter, dedicated, or emergency power. Access to these services can be provided through a variety of means including wire mold, turrets, or cabinet face installation as in the photo to the right.



Science Lab

Norwood High School
Norwood, Minnesota

Another major concern in science labs is the stability and durability of work surfaces. TMI and its dealers provide epoxy resin countertops and sinks, supported by epoxy powder coated heavy gauge steel brackets. The epoxy resin is 1" thick, monolithic, with eased or marine edges. These countertops are designed and built to withstand abuse and spillage of strong chemicals. They provide excellent chemical, heat, abrasion, and moisture resistance.

Life Skills

As teaching styles and techniques evolve in life skills classrooms, so must the learning environments. They must now support a diverse mix of students with a wide range of interests and life skill objectives.

Life Skills Room

Lake Junior High School
Woodbury, Minnesota



Educators who have used our flexible modular, flexible rail-mounted, and mobile storage systems in their life skills classrooms have found them to be responsive to their ever-changing needs in curriculum and coursework. At TMI, we actually enhance the learning environment by providing specialized, state-of-the-art casework.

Individual kitchen units need to accommodate an oven, a sink, a microwave, and adequate cabinets and drawers for utensils, dishes, cookware, appliances and other supplies.



Sewing Cabinets

Cottage Grove Junior High School
Cottage Grove, Minnesota

Mobile sewing machine stands are built with tubular steel frames, 3" casters, laminated panels, and flip tops. Retractable sewing machine bases come with easy to operate lift mechanisms that allow storage and retrieval of sewing machines.

Mobile Teacher Demo Cart

Lake Junior High School
Woodbury, Minnesota

Mobile demo units can easily be moved around the room for demonstrations. The units feature a sink kit, duplex outlet, and a two-burner cook-top. Demonstration mirrors can also be mounted above the countertop of any cabinet, whether mobile or fixed.

Built-in storage units work well for under counter storage to accommodate plumbing, while re-locatable units used for upper storage allow placement where and when needed and provide increased flexibility for the use of the space above the counter. TMI provides contemporary life skills storage for such items as long and short aprons and smocks, cleaning equipment, and food staples.



Teacher Storage



Teacher Cabinets

Fountain Hills High School
Fountain Hills, Arizona

New trends in today's school systems are making an impact on storage systems in learning environments. Space is continuously being reconfigured for different applications. In the photo at the left, for example, our flexible rail-mounted casework easily adapted to a new configuration when the room was converted from a chemistry classroom to an earth sciences classroom.

Year-round schools and evolving scheduling systems have impacted the type of casework teachers need to do their jobs. As more and more teachers and students share the same space, there is an expanding requirement for solutions that offer efficient storage. A bank of storage trays in the photo below, for example, offers personal storage space within a widely shared classroom. Tote tray guides can be moved and adjusted to accommodate different numbers of trays.

Tote Trays

Lake Junior High School
Woodbury, Minnesota

Teachers are now moving from room to room as often as students. There is an increased need for movable cabinets that act as a teacher's office. In some schools, teachers are not only assigned a room; they are also assigned a cart for their materials. TMI provides mobile units that contain drawers and compartments for supplies; are engineered and built for easy mobility; and have the durability to withstand frequent movement.

