About this space

Fabrication Labs and Hackerspaces—Elementary School

A fabrication lab or hackerspace in your school gives children the opportunity to explore design and construction concepts in conjunction with technology. Spacious, adjustable workspaces teachers to arrange the space to suit the needs of their projects and a variety of storage options ensure project materials are easy to find.

Requirements for a Fabrication Lab or Hackerspace

For **students**, the fabrication lab or hackerspace should give students access to technology, software and maker equipment. Spacious, adjustable worksurfaces with comfortable seating accommodate projects and planning sessions. Storage units make it easy to find supplies.

For **teachers**, fabrication lab or hackerspace should feature open walkways, so they can easily move from one student group to another. Adjustable workspaces make it easy to set up the room for a variety of projects. Lockable storage keeps supplies that need teacher supervision out of reach.

For **administrators**, the fabrication lab or hackerspace should be furnished in a way that meets all the needs of their school. Products must be readily available and delivered on time. Installation should be quick and efficient.

Fabrication Lab and Hackerspace Solutions from School Outfitters

School Outfitters' research and development team designed a fabrication lab or hackerspace that caters to the needs of students and teachers alike. We've selected furnishings that accommodate the use of technology as well as collaborative work or project planning sessions. The **Project area**, **shelving area** and **mobile storage area** make it simple to create a great fabrication lab or hackerspace.

The **Project Area** features configurable workstations where student groups can tinker with machines or build their own creations. This area includes:

- **Adjustable-height long tables**
- **Stools**

Adjustable-height long tables ensure students have plenty of room to spread out project components. Rolling casters make it easy to arrange the tables in groups for larger group projects.

Stools offer sturdy seating and a backless design that encourages good posture and strengthens core muscles throughout the day.

The **Shelving Area** gives the classroom a dedicated space where students can find project materials and tools. This area can also be used to display finished projects or store in-progress projects. This area includes:

- **Heavy-duty stationary shelving**
- **Lockable cabinet**
- **Workbenches with overhead shelving**

Heavy-duty stationary shelving keeps the classroom organized and let's students easily locate supplies.

A **lockable cabinet** secures devices or other materials that may require teacher supervision. Locking these items away reduces distractions by keeping tools, supplies and projects out of view. Teachers may opt to use this cabinet for securing personal belongings.

Workbenches with overhead shelving allow individual students or small groups keep supplies and components in reach as they work on a project.

The **Mobile Storage Area** lets students bring project materials and tools right to their work area. This area includes:

- **Mobile bin storage carts**
- **Mobile open shelving carts**
- **Mobile charging carts**

Mobile bin storage carts can be rolled directly to student workstations, making distributing and collecting supplies easy. Clear bins make it simple to locate needed materials, and they can be completely removed from the unit for use at workstations. Large and small bin sizes accommodate a variety of storage needs.

Mobile open shelving unit provides additional space for storing project components and supplies. Rolling casters make it easy to move the unit out of the way.

Mobile charging carts keep all your classroom devices charged and ready for use. Locking doors keep them secure overnight. Heavy-duty rolling casters easily maneuver over any flooring, and the top doubles as an additional surface for storage or presentation.

Choosing your Fabrication Lab or Hackerspace Solution

School Outfitters makes it simple to outfit your school's fabrication lab or hackerspace. Choose the option that best fits your budget and needs and get an itemized quote with just one click, including all three of our specially-designed solutions. Our helpful sales representatives are happy to answer any questions about our solutions and how you can put them to use in your school. Just give us a call 1-800-260-2776.