SKOOL HAUS operates on the principle that learning can happen at any time and any place. The project propels a flexible system of learning environments that can be deployed (on land and in water) to accommodate different types of learning environments. The system can also be configured to create living urban spaces and cultural platforms for engaging the local community. Taking cues from the rich history and industrial counsel of The Navy Yard, the project appropriates industrialerval materials, structures and techniques in the design of DfN Lab’s new educational facility. The use of innovative timber technology in conjunction with boat building techniques promote an inter-disciplinary process that relies on the collaboration between students, boat builders, physicists, fabricators, and material scientists. The result is a seamless and effective facility that integrates the architectural language of Building 128 while providing a space that supports active learning and innovation.

Aerial Perspective VIEWS
- A floating SKOOL HAUS sits on the New York City waterfront for all to enjoy the views of urban spaces.
- DfN Lab space with workspace, and co-working workstations facing the New York City skyline.
- Urban Furniture and Landscape Elements encourage interaction between building 128 tenants.
- Deployable bookshelves and exhibition display in the Flex Space allow tenants to display their work.

Deployable Library & Exhibition Displays
- Stackable sections travel periphery.
- Reconfigurable for multiple uses.
- Skin on frame construction for easy travels of materials.

Communal Workstations
- Large surfaces support flexible use.
- Red Brick, printed shapes, and efficient collaboration and teamwork.
- Each station serves as a hub for power and network connections.

Urban Furniture & Landscape Elements (Indoor & Outdoor)
- The varying heights of each modular section support different usages, from individualized to large meeting arrangements.
- Birch plywood and other robust materials can be used as the skin.

Interactive Playscapes
- Lightweight version of modules allows children to build their own playscapes.
- Interchangeable modules promote creative uses.

ACCESSIBLE LEARNING
Deployable LIBRARY & EXHIBITIONS
SKOOL HAUS operates on the principle that learning can happen at any time and in any place. Taking inspiration from DfN Lab’s new educational facility, the project appropriates industrialerval materials, structures and techniques in the design of DfN Lab’s new educational facility. The use of innovative timber technology in conjunction with boat building techniques promote an inter-disciplinary process that relies on the collaboration between students, boat builders, physicists, fabricators, and material scientists. The result is a seamless and effective facility that integrates the architectural language of Building 128 while providing a space that supports active learning and innovation.

Native Interior & Exterior PLANTINGS
Urban Furniture and Landscape Elements will create seating, and encourage interaction between building 128 tenants.

PLAYSCAPES for Active Education
SKOOL HAUS promotes Active Learning through its emphasis on the integration of various types of play or play, which encourage creativity and collaboration between students. The use of lightweight materials allows children to build their own playscapes, while the flexible design of the modules promotes creative uses. The architectural language of Building 128 is seamlessly integrated into the design, providing a space that supports active learning and innovation.
CONTEXTUAL INSPIRATION

Re-Purposing Industrial PALLETs
SKOOL has proposed to collect and clean up unused industrial pallets in and around the Navy Yard. Once revived, the re-purposed timber is used to create a flexible wall system that can adjust to needs such as shelving, projection screens, and function boards. The space may become an auditorium, a gallery, and so on.

Borrowing BOAT Building Techniques
SKOOL has adapted the best building techniques of the Navy Yard. The project explores complex configurations at various scales. Students will exercise their math, science, and fabrication skills in collaboration with professional boat builders to construct learning spaces to be distributed both indoors and in water throughout and around building 126.

Classrooms that FLOAT
The construction of SKOOL’s building enables floating banks and channels to be integrated into the floor structure. The result is an educational facility that thrives both on land and in water. Thus, SKOOL’s methods can be used as a floating classroom to provide hands-on educational opportunities to learn about the latest urban ecosystems.

Seating Textiles Inspired by SAILS
A number of the furniture elements experiment with the use of sailing fabric. These innovative materials provide durable surfaces for seating and lounging.

Multi-Functionality with a FLY SYSTEM
The SKOOL’s outdoor space is equipped with a flexible FLY system. The system can be set up with components like lighting, work surfaces, seating elements, and more. This can be adjusted quickly and partly to access the FLY system, which is then used for the architectural language and visual aesthetic of the building.

Flexibility with Industrial FORKLIFTS
In the Navy Yard, SKOOL has employed the idea of a Dry Stack Storage System. Using industrial forklifts, the varying scales of design elements, including units, work surfaces, seating structures, floating floor systems, etc., can be easily moved throughout the complex to accommodate the diverse needs of Building 126’s users.

Structure for STORAGE and DISPLAY
The simple timber wall system provides a flexible structure with ample opportunities for storage and display. Among the many potential uses, the system may hold pickstitching materials, display artists’ products and provide surface area for the display of visual information. The system appeals to a wide variety of disciplines, from fashion, to publishing, to architecture, to industrial designers, and so on.

The FLOATING FLOOR System
SKOOL takes inspiration from urban parking tower structures. A pulley system in place allows users to move the “floating floor” up and down within the space.