

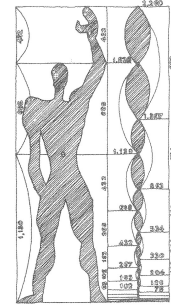


ARCHITECTURE

American Institute of Architects New Hampshire Chapter 2011 - 2012 High School Design Competition Program

Educational Objectives

- To increase your awareness of the relationships between space, human scale and function.
- To gain experience in recognizing the various challenges in planning and designing indoor and outdoor spaces for specific uses.
- To exercise your analytical abilities and creativity in solving the problems you have defined.
- To gain experience in communicating your planning and design ideas using scale drawings and models.



Participation Requirements

Every participant must be a current high school student in the state of New Hampshire or any high school student who is a resident of New Hampshire. Students may work individually or in teams. Teams may not consist of more than three students.

Registration

Teachers must register all participating students by December 1, 2011. Late registrations will be accepted through January 27, 2012. Please use the attached form or send the information on the form by email to [the AIANH office](#).

Program

Imagine that the most exhilarating sporting event in the world today, the 34th America's Cup, will be held in Portsmouth in 2013. This year's AIANH Competition will be to design the America's Cup Youth Education Pavilion. This highly visible pavilion will serve to tell the stories of the America's Cup, the history of sailing, and introduce local youth to sailing. The designer(s) must clearly express how their pavilion is distinctive, yet cohesive with the surrounding environment. AIANH Chapter requires that each entry create a vocabulary that strongly identifies social responsibility and environmental concerns for the Portsmouth Bay Area.

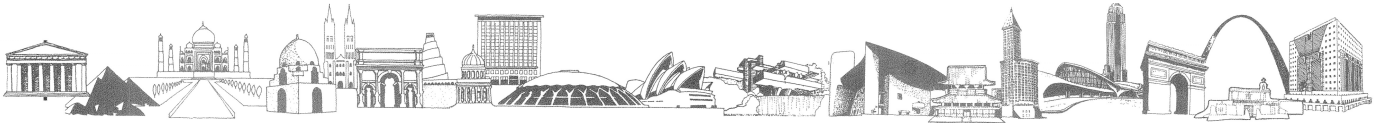
Sustainable Youth Education Pavilion

A fundamental goal of this building is to embrace sustainability. In order to reduce the overall impact of the building in the environment, the pavilion will integrate innovative green building strategies such as:

- increase energy efficiency
- water efficiency, use renewable energy
- materials which will reduce consumption, pollution and waste

Educate and Promote Innovations in Sustainable Living



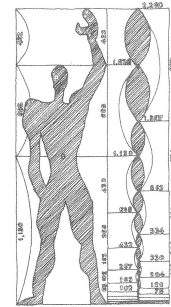


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The building should implement natural day lighting, smart shading systems and water conservation. This highly sustainable pavilion and site should showcase green building strategies used in sustainable architecture.

Sustainability Resources:

- LEED – <http://www.usgbc.org>
- Green Globes – <http://www.greenglobes.com/>
- Whole Building Design Guide – <http://www.wbdg.org/design/sustainable.php>
- The Living Principals – <http://www.livingprinciples.org/>
- Sustainable Design forum – <http://www.sustainabledesignforum.com/>
- Energy Star – <http://www.energystar.gov>



Site Plan (available for download from www.aianh.org)

Building Area Needs: The America's Cup Youth Education Pavilion will be a one-story structure. There is no pre-determined height, however the height must respect the surrounding environment as well as complement the buildings' function and design.

Interior Spaces:

- Entry portal (350 sq. ft.): This space serves as a gateway into the building and must be easily visible with a clear purpose. An interior lobby will provide space for a display wall that will feature information about current and upcoming events for the America's Cup races in general as well as special events being held in the pavilion.
- Information/staff desk (125 sq. ft.): Space for two staff members to welcome visitors and direct them to appropriate resources in the pavilion.
- Exhibit of local youth in sailing: A multimedia exhibition space with information on local opportunities for youth in sailing around the Portsmouth Bay Area.
- Staff Offices (450 sq. ft.): Main director office and cubicles for a least two support staff.
- Classroom (600 sq. ft.): Space for classes in aspects of sailing that can be taught on dry land including navigation, ropes and knots, Bay Area waters, tides, currents, etc.
- Restrooms (200 sq. ft.): Accessible Men's and Women's restroom. One restroom for each gender near the entry portal.
- Utility Closet (100 sq. ft.): Office supplies, janitorial equipment.
- Exhibit of the History of the America's Cup (1,100 sq. ft.): A large hall housing a series of multimedia and museum case exhibits that illustrate the past, present and future of the America's Cup Race.
- Café (325 sq. ft.): This organic café will serve food and drinks from local farms to the public as well as organized events. This space must have direct access to the exterior and seating should be provided at the outdoor plaza.
- Public Circulation: Interior circulation, corridors.

Exterior Spaces:

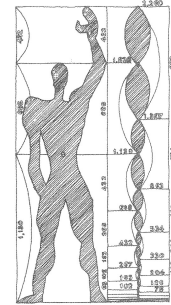
- Outdoor Plaza: This exterior space is intended to provide a natural amphitheater as well as opportunities for viewing the races, both live and on large video screens around the plaza. Souvenir booths and other feature maybe included, but they need to compliment the Hi-Tech nature of the 34th America's Cup Race.



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Submission Requirements

- One Design Board, 20" x 36", on ¼ inch foam core that includes the following:
 - Design sketches, design process, and inspiration information
 - Site plan
 - Floor plan
 - Exterior and interior elevations
 - Building sections
 - Exterior and/or interior perspective – optional
 - Include the project title and your name(s) and school on the board (see sample presentation layout)
- 1/8" Scale model (include your name(s) and school on the bottom of the model)
- Brief project narration – Compose a thoughtful and concise narrative (approximately 150 words) describing your building design. This can include but is not limited to:
 - The main ideas and goals behind your design
 - How the building is organized
 - How you envision people occupying the building



Timeline (specific dates to follow)

April 2012 Entries are due at the AIANH office by April 26, 2012, 2 pm.

May 2012 Winners of the AIANH High School Design Competition will be invited to a special Awards Presentation at an AIANH Event at the end of May or June at which projects will be on display and awards will be presented.

Awards for Best Design, Overall Superiority, in all aspects of Design Solution, Model and Graphic Presentation:

1 st Place	750.00
2 nd Place	500.00
3 rd Place	250.00

Awards for Best Model describing Design Solution

1 st Place	750.00
2 nd Place	500.00
3 rd Place	250.00

Awards for Best Graphic presentation describing Design Solution:

1 st Place	750.00
2 nd Place	500.00
3 rd Place	250.00

Awards for Honorable Mention:

At the discretion of the judges, certificates may be presented to other submissions that are noteworthy.

TITLE	
PLAN A	SITE PLAN
PLAN B	NARRATIVE
ELEVATION	
SECTION	

TITLE	
PLAN A	NARRATIVE
	SITE PLAN
PLAN B	SECTION
	ELEVATION

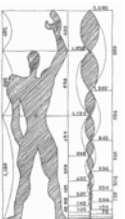
TITLE	NARRATIVE	ELEVATION
	SITE PLAN	SECTION
PLAN A	PLAN B	

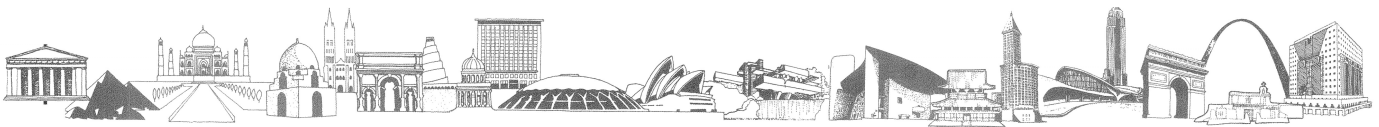
CLEAR AND THOUGHTFUL PRESENTATION
LAYOUT OF YOUR DESIGN

**SAMPLE
PRESENTATION
LAYOUTS**

ARCHITECTURE

**AMERICAN INSTITUTE OF ARCHITECTS
NEW HAMPSHIRE CHAPTER
2011-2012 HIGH SCHOOL DESIGN COMPETITION**



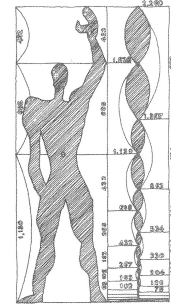


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American Institute of Architects New Hampshire Chapter 2011 - 2012 High School Design Competition Program

Registration

To register students for the AIANH 2011-2012 High School Design Competition, teachers/instructors are required to provide the following:



Teacher/Instructor Name: _____

Email Address: _____

School: _____

School Address: _____

Teacher Telephone # _____

Student(s) Name(s): _____

Student(s) Email(s): _____

Student(s) Home Address(es): _____

Students may work individually or in teams. Teams may not consist of more than three students. Please submit a separate registration for each individual working alone and one form for each team. If registering a team, please include each team member's name, email, and home address. You may use the back of the form for email and postal addresses of team members. (We need emails to inform students of the results and the postal addresses to mail awards if not retrieved at the Awards Ceremony.)

Please send the above form or an email with the above information to:

Carolyn Isaak, Executive Director
AIA New Hampshire
310 Marlboro Street #2
Keene, NH 03431
www.aianh.org
office@aianh.org

Registrations should be received by the AIANH office by December 1, 2011. Late registrations will be accepted through January 27, 2012. Please try to register by the December date to help us plan for jury space and to make in-school visits. After the AIA New Hampshire office has received the participating High School/Academy's registration form, an AIA architect will be available to critique the students' work. The earlier you register your students, the more likely we will be able to come to your classroom for critiques. Please make arrangements through the AIANH office.

