38th Annual
Newhouse Architecture + Design Competition

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About the Competition

The 38th Annual Newhouse Architecture + Design Competition showcases the talents of Chicago-area students who create projects that solve real-world problems.

 Named after late Illinois Senator Richard Newhouse, this competition gives students an opportunity to practice and refine design and critical thinking skills to create a project that could be part of their portfolio. It inspires teens to understand why design matters by researching, representing and redesigning the built environment to solve challenges that are personal and place-based.

2020 Theme: Sustainable Living Solutions

By 2050, the Chicago region is projected to grow to nearly 14.2 million people. With that number in mind, this year’s competition asks students to imagine solutions to housing and sustainability challenges that urban areas will inevitably face in the future. Each division considers an aspect of proposing a sustainable community—from the planning and layout of the community, to designing and engineering an individual unit, to visually communicating broader ideas and solutions.

Division Partners

This year’s theme and challenges were crafted with the help and support of a cross-disciplinary group of professional architects, designers, and educators. Thanks to the following groups for their input and continued support:

| Landon Bone Baker Architects | Lake Forest Country Day School |
| Clune Construction Company | Johnson College Prep |
| Illinois Green Alliance | CPS – Career & Technical Education Dept. |

Competition Timeline Updates

| January 2020 | Competition Divisions Announced |
| March 5 | Registration open |
| May 1 | Digital Project Submission |
| TBD | Showcase and Ceremony |

Eligibility

Any Chicago-area high school student is eligible to participate in Newhouse. Students may participate in school, out-of-school programs or independently. The competition is free to enter. Students may compete in teams.

2020 Divisions
The 2020 Newhouse Architecture + Design Competition divisions are crafted to enable students to solve real-world problems that are authentic to the fields of architecture, construction, engineering, and design. Students create projects that can be used to practice and refine skills and contribute to the development of a portfolio.

Challenges can be completed using digital and/or physical materials. All students must register online and submit a physical project board or model to exhibit and be juried.

- **Architecture + Planning:** Propose a Tiny Home Community
- **Architecture + Engineering:** Sustainable Tiny Home
- **Architectural Physical Modeling:** Sustainable Tiny Home
- **Open Design + Build:** Sustainable Solutions
- **Fine Arts:** House and Home
- **Graphic Design:** Sustainable Community Infographic

**Project Submission Updates**

All students must register on the competition portal – architecture.slideroom.com – by midnight on May 1, 2020 in order to qualify for jury review. All physical submission are now to be submitted online as well by the deadline. Please take clear photos and see competition manual for photo requirements.

**Awards**

Awards are revealed at the Final Showcase. Awards for each division include the following places and corresponding prize amounts:

<table>
<thead>
<tr>
<th>Award Description</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Grand Prize</td>
<td>$100</td>
</tr>
<tr>
<td>1st, 2nd, 3rd Grand Prize</td>
<td>$75</td>
</tr>
<tr>
<td>1st, 2nd, 3rd Prize</td>
<td>$50</td>
</tr>
<tr>
<td>Honorable Mention</td>
<td>$25</td>
</tr>
</tbody>
</table>

All Newhouse Winners and educators receive complimentary tickets for the annual Teen River Cruise. If students submit a team entry prize money is split amongst the team at their discretion.
Additional Information

COMPETITION WEB PAGES

- Competition information main page: architecture.org/newhouse
- Competition Registration Platform: architecture.slideroom.com

CONTACT INFORMATION

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TERMS AND CONDITIONS

The project options for the Newhouse Competition may have been derived from actual projects and/or competitions. The information has been edited and/or modified to meet the needs of a student competition.

Applicants may be disqualified if they:

- Are not a current high school student
- Do not complete their registration or upload content (text and/or images) onto the competition platform
- Do not adhere to the design, writing and presentation requirements
- Plagiarize or violate copyright rules by submitting non-original material
Additional Resources

ARCHITECTURE.ORG/NEWHOUSE
Visit architecture.org/newhouse for:
- Information on upcoming Newhouse deadlines
- Newhouse Workshops for students

Architecture + Planning:
Propose a Tiny Home Community
About Tiny Homes
Due to current zoning laws restricting home sizes to 350 square feet, tiny homes in Chicago are not legal structures for a home. The local Chicago social group Tiny Home Enthusiasts advocates that the more good examples of tiny home communities there are, the more likelihood that tiny homes be considered a viable living option for Chicago residents. The resources below can help you uncover some good examples, along with some Chicago-specific regulations to help plan your tiny home community:
- Tiny house zoning regulations: What you need to know  
- Are Tiny Houses Useful and Feasible for Addressing the Homelessness Crisis?  
  https://tenercenter.berkeley.edu/blog/are-tiny-houses-useful-and-feasible-for-addressing-the-homelessness-crisis
- 30x40 Design Workshop: Architecture Tutorials  
  https://thirtybyforty.com/architecture-video-tutorials

Architecture + Engineering:
Sustainable Tiny Home
About Sustainability
Fitting all the essentials of a home in a 350 square foot space is no easy task. Use the resources here to get ideas on how this problem is solved by real architects and designers:
- Chicago Sustainable Development Policy Handbook:  
- Toy Box Tiny Home:  
  https://www.toyboxtinyhome.com/data
- Tiny Homes: More than a lifestyle:  
- SketchUp Make - Free 3D Modeling Software:  
- Autodesk Software - Free for Students:  
  https://www.autodesk.com/education/free-software/featured

Architectural Modeling:
Sustainable Tiny Home
Why do Architects + Designers use/make models?
Model making is essential in the design process. It allows designers to problem solve in real time before moving on to software. Use these resources to learn more about how designers use model making in their process and what materials you can use on your models!
- Architectural Symbols:
Open Design + Build: Sustainability

What is Sustainability?
Sustainability is a BIG category. When we are creating spaces, we can often times be conflicted by materials costs, regulations, site conditions, etc. There are always opportunities to become more sustainable for both people and places. What does sustainability look like for people? Communities? Cities? States? Countries?

- Re-forestation Project
  https://jacoboymariangels.com/ experiencias/?lang=en
- Can planting trees tackle climate crisis?
- The Power of Small: TED x RIGA – Evelyn Ozola
  https://www.ted.com/tedx/events/15533
- Design for Good – AIGA
  https://www.aiga.org/design-for-good/
- Using Design to do Good for the World with John Cary

Graphic Design: Sustainable Community Infographic

What kinds of things should I consider for my infographic?
Graphic designers think about the colors, lines, images, words, and how all of these things fit together when they create a two-dimensional design. Use the resources below to learn about the basics of Infographics and Graphic Design! Avoid using generic symbols like smiley faces, peace signs, rainbows, etc.

- For help finding guidelines to compose your projects:
  https://visme.co/blog/composition-rules-for-non-designers/
- Graphic Design 101
  https://www.amberddesign.com/graphic-design-tips-for-beginners/
- Infographic Fundamentals
  https://venngage.com/blog/create-infographics
- What is an Infographic? What they are and why they’re useful.
  https://www.columnfivemedia.com/infographic

Fine Arts:
House + Home

What’s the difference between house and home?
House typically refers to the physical building in which someone lives. Yet home can refer either to a building or to any location that a person lives or feels that belongs to them. Think about the colors, lines, textures, objects and how all these things fit together to tell your story of home. Still life art doesn’t always have to be a traditional set of objects prettily arranged in the middle of a table.

- 7 elements of Art
  https://mymodernmet.com/elements-of-art-visual-culture/
- Still life inspiration – objects and unique compositions and material choices:
  https://www.studentartguide.com/articles/still-life-drawing-ideas
- Vocabulary on the Principles and elements of art:
- COOPER – Creative residing in California
  https://www.cooperart.me/murals

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About the Chicago Architecture Center
The Chicago Architecture Center (CAC) is a nonprofit organization dedicated to inspiring people to discover why design matters. As an education leader in architecture and design, the CAC offers tours, programs, exhibitions, field trips, curricula and online tools that are part of a dynamic learning journey for all ages. Proceeds from the CAC’s tours and gift shop support this educational mission.

Learn more about our education, tour and public program offerings at architecture.org.
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