



NAHB Student Competition Secondary Programs Rules and Guidelines

Introduction

The competition was established to offer students a real-life residential construction experience. The competition does this by giving students the opportunity to demonstrate their problem-solving skills by preparing a solution through documents that include the development of working drawings, a labor and materials estimate and a construction schedule. The proposals are then submitted to a group of construction company executives who act as judges.

Eligibility

Any NAHB Student Chapter in good standing from a high school or career technical institution that grants secondary diplomas may have one or more teams compete.

Location

The International Builders’ Show, Orlando, Florida www.buildersshow.com

Due to varying travel restrictions or other reasons preventing a team from attending the in-person IBS event, the competition will be conducted in a hybrid format allowing teams to participate in-person at IBS or virtually using Zoom video conferencing.

Timeline

September 7, 2021	Competition Problem Posted
October 17, 2021	Registration Due (\$200) https://awards.nahb.org/
November 21, 2021	Team Member List Due https://awards.nahb.org/
December 5, 2021	Last Day to Withdraw from Competition
December 19, 2021	Projects Due* https://awards.nahb.org/
February 7-8, 2022	Presentation Dates (<i>in-person and virtual participation available</i>)
February 8, 2022	Judges’ Debriefing
February 9, 2022	Awards Ceremony (Time TBD)

***Projects must be submitted ELECTRONICALLY by 11:59 P.M. EDT, December 19, 2021 or the team will incur a scoring penalty. (See Grading Report)**

NOTE: It is difficult to place or win if your project is even one day late.

The NAHB Student Competition Will Be Conducted Under Strict Observance of the Honor System

COMPETITION VISION, MISSION, AND GOALS

Vision

The NAHB high school/secondary programs student competition will be a vehicle for students interested in residential construction and design to prepare for and get excited about a career in the homebuilding industry by interacting with and learning from industry professionals.

Mission

The mission of the NAHB high school/secondary programs student competition is to expose students to a real-life residential construction project. Student teams compete to display their problem-solving abilities by preparing solution documents that include the development of working drawings, a labor and materials estimate and a construction schedule.

Goals

- Expose students to projects that stretch their knowledge and force them to learn independently.
- Use a new project each year from a different geographic location.
- Develop student's written communication skills by creating a written proposal.
- Develop student's critical thinking and problem-solving skills through the creation of a proposal that encompasses both architecture and construction.
- Offer two tracks – one which emphasizes architectural drawing and the other, construction management
- Develop student's oral communication skills as they work in teams and present to a panel of industry professionals.
- Facilitate student interaction with HBAs, and other design and homebuilding professionals.
- Get students excited about and committed to residential construction.

COMPETITION ENTRY

1. **September 7, 2021:** Project description posted on nahb.org/StudentCompetition.
2. **October 17, 2021:** Entry Form due: teams must register an NAHB Awards account through <https://awards.nahb.org/>.
From the drop menus select Student Chapters Awards-Competition Entry and corresponding program.
 - a. \$200 Entry fee (per team), paid by credit card at the time of registration through your NAHB Awards Competition Entry application
 - b. **After registering, please email Zach Riley, zriley@nahb.org) and indicate whether your team is presenting in-person or virtually. You may continue to update your team's status as necessary.**
3. **November 21, 2021:** Team member list due: log into your NAHB Awards Competition Entry application on <https://awards.nahb.org/> and enter each team member's information.
 - a. Alternates and substitutes are permitted after this date, **but the names of these students will not appear in the Program Guide.** Contact Zach Riley at 202-266-8941/zriley@nahb.org to make adjustments to your team roster.
4. In an effort to make the competition as real-life as possible, each team may spend as much time as necessary to prepare its package between the date it is posted online and the date it's due.
5. Each chapter may enter up to two teams in the NAHB Student Competition. If a school has multiple teams, please establish a "Team One" and "Team Two".

6. **December 5, 2021:** If the team finds it cannot complete the project on time, it must submit its withdrawal before this date. If the team does not notify NAHB Student Chapters by this date, the team will not be permitted to participate in the following year's competition. No refunds are given.

TEAM MAKE-UP

1. Each team member must be a member of their school's NAHB Student Chapter for the current school year.
2. Teams will consist of not more than **five students (who will participate in the presentation)**. Additional students can assist with the preparation of the written proposal. Note: All five students in the presentation should be able to answer questions on all sections of the written proposal.
3. If a school enters more than one team, teams must work independently and may not collaborate on the solution of the problem. The intent of the guidelines regarding two teams from the same school is that they function independently and that they compete to win against their classmates as keenly as they compete with all other teams. The teams should not share any files except, possibly, the template for the drawing sheets. All teams must submit complete and different solutions to the problem. **Should the solutions be deemed to be too similar by the judges, all teams representing the school will be disqualified.**
4. Teams may use available resources during the preparation of their proposals, but under no circumstances may any work be outsourced. All work submitted/presented must be produced by the team's members. Teams may contact suppliers of engineered products (e.g. trusses and I-joists) for design and cost information. The team must still transcribe the necessary details into their drawings and estimates. Don't just put in a lump sum bid with the supplier's drawings!

WRITTEN SOLUTION *(See detailed list of requirements in project description)*

1. Areas to Include: Working Drawings, Labor and Materials Estimate, and Construction Schedule.
2. All material should be marked with the name of the team (if more than one team per school), the name of the school, and either "Architecture Track" or "Construction Management Track".
3. **All proposals will be submitted electronically via the NAHB Awards portal by creating a Competition Entry application at <https://awards.nahb.org/>.** Ensure that **school name, not team name**, is clear and visible on every page of the electronic proposal. Insert header and/or footer in all documents, listing school name and program level. If a school has two teams participating, clearly designate "Team One" and "Team Two" on the proposal.
4. One (1) copy of the Honor Pledge form per team (found on page 6 of this document) must be included with the proposal. The form must be signed by each team member, including alternates (if any), and the coach certifying that the solution of the problem has been the work of only the team members, alternates and other qualified students. Failure to include this document as part of the solution will be grounds for disqualification.
5. **Tuesday, December 19, 2021, 11:59 PM EST*:** All proposals will be submitted electronically through your NAHB Awards Competition Entry application on <https://awards.nahb.org/>.
***Deadline will be strictly enforced. Penalty of 15 points per day assessed for late entry.**
6. Late entries will be penalized 15 points per day. Nothing may be added to the proposals after the due date, including substitutions, corrections, or amendments (nor may they be distributed to judges during the presentation.)

QUESTIONS

1. Coaches are encouraged to assist the teams in their preparations. A guide to consider when determining the appropriate level of support is for the coach and any other resource to consider the competition as a test in the classroom and direct the team accordingly. Do not provide answers, rather lead the team and help the students gain the most from the competition by sharing knowledge and experience.

All questions regarding the problem and competition logistics must be posted on [2022 SECONDARY NAHB Student Competition Question Board on Google Groups](#). Please include your school's name in your question.

PRESENTATION

1. **February 7-8, 2022:** The 2022 Student Competition will be conducted in a hybrid format allowing for in-person presentations in Orlando, FL at the Orange County Convention Center and virtual presentations using Zoom video conferencing. The schedule of presentations will consider team preferences that were selected through your Competition Entry application at the time of team registration. It will also consider teams presenting in-person versus virtually. Every effort will be made to schedule presentations according to the stated preference, but NAHB Student Chapters cannot guarantee a particular time slot. Teams will be notified of the preliminary schedule after the competition entry deadline.
2. Presentation schedules will be strictly followed. The schedule may continue to adjust and change until the date of the competition. NAHB Student Chapters will notify teams of any changes via email.
3. All teams participating virtually will receive further guidelines on admittance to the Zoom presentation room and details on how the Zoom presentations will be conducted.
4. All team members planning to appear on camera during their presentation, whether in-person or virtually, must sign and return a "Permission to use Video and Waiver of Liability" form. Following the submission of each team's written proposal, the team coach will be emailed a copy of this form for students or their parent or guardian to sign. A signed form from each team member to appear on camera must be returned to Zach Riley, zriley@nahb.org, or the team will not be permitted to present.
5. Each team will be allowed 10 minutes to set up. The oral presentation will last for a maximum of 10 minutes. Following the presentation, the judges will ask questions for 10 minutes. The presentations will be judged on clarity, accuracy, participation of each team member, and overall conclusion. All presenters should be knowledgeable in all areas of the proposal.
6. Teams must bring to the competition at the International Builders' Show:
 - a. Laptop computer pre-loaded with presentation software
 - b. Adaptors for the projector if using a Mac.
 - c. All audio/visual materials
 - d. Teams may test equipment before the start and at the conclusion of the presentations for the day.
7. In the case of extreme circumstances beyond the team's control (e.g. internet failure, illness, travel delays) that negatively affect their presentation, teams may appeal to Sarah Weber (sweber@nahb.org) for a second opportunity to record their presentation.

JUDGING

- Each judge will score the written and oral presentations using the attached Grading Summary Report and then rank the teams from highest to lowest. Winners will be determined based on the total of the judges' rankings. The highest-ranking team receives one point, the second highest ranking two points, etc. The team with the least overall points (based on the sum of all the judges' rankings) is the winner. Although each judge may score the teams differently and each team's scores may vary widely, the ranking system, not the scores, determines the competition champion.
- A sample of the Grading Summary Report is included in these guidelines.
- **February 8, 2022:** A "Judges' Debriefing" session will take place following the final presentation. Teams participating virtually will be able to join via Facebook livestream. The project sponsor will present their current plans for the project and answer questions from the audience.
- The completed Grading Summary Reports will be sent to the coaches after the competition.

AWARDS

1. Awards will be announced at the end of the judges debriefing on February 8, 2022.
2. Each participant will receive a Certificate of Participation and a t-shirt.
3. Cash prizes will be awarded to the top placing teams.
4. Plaques will be awarded to teams who place 1st, 2nd, and 3rd place and these teams' winning proposals will be posted online. (If there are fewer than FIVE teams in a track, only the first-place team will be recognized.)



Student Chapters

NAHB Student Competition Secondary Programs Honor Pledge

To the best of my knowledge and belief, the information used in my team’s solution to the competition is in accordance with the rules and guidelines of the NAHB Student Chapters Competition. On my honor, I have neither given nor received unauthorized assistance in the completion of this project.

Team (School) Name: _____

Team Members:

Print Name	Signature

Alternate Members (Optional):

Print Name	Signature

Faculty Advisor/Coach:

Print Name	Signature

This form is REQUIRED. Submit one (1) copy per team within your proposal submission.



Student
Chapters

**NAHB Student Competition
Secondary Programs
Grading Summary Report – Architecture Track**

	Comments	Score	Possible
Working Drawings			25
Labor and Materials Estimate			25
Construction Schedule			25
Quality of Written Proposal			5
Presentation			20

Penalty for Late Entry			Deduct 15 Points / Day
TOTAL			100



Student
Chapters

NAHB Student Competition
Secondary Programs
Grading Summary Report – Construction Management Track

	Comments	Score	Possible
Working Drawings			15
Labor and Materials Estimate			30
Construction Schedule			30
Quality of Written Proposal			5

Presentation			20
Penalty for Late Entry			Deduct 15 Points / Day
TOTAL			100