

2021 Awards and Judging Logistics



Awards

In addition to the Standard Required Hub Level Awards outlined in the BEST Competition Rules document (Section 4 – *Awards & Judging*, pages 65-72 and Section 7 – *Standard Required Awards*, page 82), the awards below will be given at the South’s BEST competition. Unless otherwise noted, all teams are eligible for the award(s) with 1st – 3rd place plaques for each.

Engineering Notebook Award

Awarded to the team that scores the highest in the Engineering Notebook category.

Neptune Technology Group Most Elegant Robot

Awarded to the team whose machine demonstrates the best design and execution of the game...the machine that makes you say “Wow!”

Most Photogenic Robot

Awarded to the team whose machine is the most eye pleasing.

igus TOP GUN Award (First Place Only)

Awarded to the team who scores the most points in a single match.

South’s BEST Southern Style Award (First Place Only)

The Southern Style Award recognizes excellence exhibited by teams during the competition in the following areas: Honesty, Respect, Fairness, Integrity, Safety, Teamwork, and Diversity.

South’s BEST values these qualities and celebrates these same qualities in BEST teams. This award will be based on the results of a team ballot system (ballot will be included in the Registration packet) as well as input from the judges. The team receiving the greatest number of votes from other teams in attendance, plus a satisfactory rating from the judges, will earn the “Southern Style” award.

T-Shirt Design Award

Awarded for the most original game-specific team t-shirt or team-wear design. Team-wear entries should be items worn by all team members and supporters (button down shirts, golf shirt, t-shirts, etc.), not a one-of-a-kind item designed specifically for judging consideration. In addition, teams should submit a brief explanation of their design (no longer than one page) with their shirt. The explanation sheet should clearly identify the team # and school name and be attached to the shirt by pin, clothespin, paperclip, or some similar device. Entries should be submitted to the Registration/Information Desk on the 3rd floor concourse by noon on Saturday, December 4th to be considered for judging. Items may be picked up at the Registration Desk on Sunday after 1:00pm.

Web Page Design Award

The website is a marketing tool to be used by the “BEST company” to both market their robot for retail sales and to emphasize that their company is the best company by which to purchase a robot. Judging will be based on the following categories: user experience (20 points),

navigation (15 points), design (25 points), execution (20 points), and functionality (20 points). See the enclosed scoring rubric for this award.

To be considered for this award, include the URL to your team's web page on your profile page in the BEST National Registry. Judging of webpages will begin on November 22nd. Be sure your site is active and ready to be judged by this date.

Hyundai Motor Manufacturing Alabama Team Exhibit Design & Construction Award (BEST Award teams only)

Awarded to teams with the most creative and innovative Exhibit design.

Team Exhibit and Interview Award (BEST Award teams only)

Awarded to the team that scores the highest on the Team Exhibit and Interview category.

Marketing Presentation Award (BEST Award teams only)

Awarded to the team that scores the highest on the Marketing Presentation category.

***Note that we will not be hosting a Mascot dance-off competition this year and will not be recognizing the Best Mascot with an award as we have done in the past. However, teams are welcome to have mascots in attendance.**

Team Demographics/Minors on Campus Parental Waiver Submission

All teams must submit a copy of the Team Demographics Form and an Auburn University Minors on Campus Consent Form* for all team members planning to attend South's BEST. Forms must be submitted by Wednesday, November 24th.

Demographic form can be found here:

https://auburn.qualtrics.com/jfe/form/SV_3R9QRqKHtCdY6W2



Minors on Campus forms can be found here:

https://auburn.qualtrics.com/jfe/form/SV_1X2K2AXd7VzC6Vg



Forms must be signed (by a parent/guardian) and received by the deadlines stated above. The Auburn University Minors on Campus Consent Form is required for participation in South's BEST! This form is required to adhere to Auburn University's Minors on Campus policy.

If you have any questions or issues, please contact Dr. Veronica Morin (vlm0015@auburn.edu).

* The Auburn University Minors on Campus Consent Form is required for participation in South's BEST. This form is required to adhere to Auburn University's Minors on Campus policy.

BEST Award Requirements and Logistics

Hub vs. Championship Judging

Teams chosen to participate in the BEST Award recognize that inclusiveness, diversity of participation, exposure to and use of the engineering process, sportsmanship, teamwork, creativity, positive attitude and enthusiasm, and school and community involvement play significant roles in a team's competitive experience and contribute to student success in the competition beyond winning an award.

In accordance with the BEST philosophy, materials submitted by teams must be the work of students. The involvement of student peers in auxiliary roles to support a school's official BEST team with the documentation – i.e., journalists, photographers, and/or artists– is encouraged.

Due to space limitations, we will enforce a limit on the number of BEST Award teams that are eligible to compete at South's BEST. Teams that advance due to their BEST Award placing will be expected to compete in the BEST Award at South's.

All teams competing for the BEST Award must participate in all categories and will be judged using the following point system:

Judged Components	Point Value
Engineering Notebook	30 points
Marketing Presentation	25 points
Team Exhibit and Interviews	20 points
Robot Performance	15 points

Total: 90 points

Engineering Notebook (30 points)

ALL participating teams (both BEST Award and non-BEST Award) are required to submit an Engineering Notebook in order to compete at South's BEST. The Engineering Notebook should be received by 5PM on the date below.

Hub Competition Dates	Submission Deadline (this is NOT a postmark deadline)
October 23	5:00pm CDT, Thursday, October 28
November 6	5:00pm CST, Thursday, November 11
November 12	5:00pm CST, Thursday, November 18
November 20	5:00pm CST, Wednesday, November 24

Team notebooks must be submitted electronically via the BEST National Registry (<https://registry.bestrobotics.org/>). The engineering notebook is listed under "Tasks &

Deliverables" on your team workflow. Files must be in PDF format (saved as one single document – not multiple) with a file name of "Team# - Team Name.pdf" or "555 - South High School.pdf."

Please upload your team's engineering notebook submission by using the registry file upload feature. See the registry help documentation for "Managing Team Files" (<https://docs.google.com/document/d/1uDtaA9AaRDC81nSvmOSFf-XHkQKRzfl7/preview>) for detailed instructions. When uploading the file, select "Engineering Notebook" for the "What is the file for?" field. Be sure to check the appropriate box in the "Uploaded Files" table so that the file is visible to South's BEST.

For additional information regarding Engineering Notebook requirements, please reference Section 5.1 – *Judged Components*, pages 73-74 of the 2021 BEST Robotics Competition Rules (https://www.bestrobotics.org/site/b_game_rules.php).

Marketing Presentation (25 points)

Marketing Presentations will be held virtually in two rounds. Hubs competing prior to November 12th will present in Block 1 on November 22nd. Hubs competing on or after November 12th will present in Block 2 on November 29th. Block 1 teams must register by November 10th to schedule marketing presentations. Block 2 teams must register by November 24th. Time slots will be selected via the BEST Registry (<https://registry.bestrobotics.org/>).

Teams at South's BEST will have a total of 15 minutes to complete their presentation, with up to 5 minutes of additional time for Q and A with the judges.

For additional information regarding Marketing Presentations, please reference Section 5.2 – *Judged Components*, pages 77 - 77 of the 2021 BEST Robotics Competition Rules (https://www.bestrobotics.org/site/b_game_rules.php).

Team Exhibit and Interviews (20 points)

Team Exhibits will be located on the 3rd floor concourse of the Beard-Eaves-Memorial Coliseum. Exhibits are restricted to a size of 8 feet wide X 8 feet tall X 8 feet deep. The South's BEST staff will assign team locations for Exhibit placement. Teams will be directed to their assigned location upon registration.

Team Exhibit set-up can begin after team check-in at the Registration desk in the Beard-Eaves-Memorial Coliseum. Exhibits should be completely set up and prepared for judges to begin visiting their tables **starting at 1:30pm on Saturday**.

Tables will not be provided at South's BEST. Teams wishing to have a table in their booth should supply their own. Each team should bring one extension cord and one power strip IF the display requires electricity.

Teams should not leave valuable equipment in the Exhibit booth overnight.

It is anticipated that judging of Exhibits will be finished no later than 4:30pm on Saturday. Exhibits should remain open and operational from 9:00am to 11:45am on Sunday. Please wait until the official announcement before any breakdown begins.

Fog machines and strobe lighting are NOT allowed in booths. Heat generating devices are NOT allowed in booths (e.g., blow dryers, soldering irons, utility lamps, 3D printers, etc.). Standard string/Christmas lights are fine. Candy and other food or drink items are NOT permitted at Team Exhibits as complimentary handouts.

Live animals should not be part of the exhibit and may NOT be distributed as part of a team giveaways. Stickers will NOT be allowed to be distributed as part of team giveaways.

For additional information regarding your Team Exhibit and Judges Interview, please reference Section 5.3 – *Judged Components*, pages 77-79 of the 2021 BEST Robotics Competition Rules.

Robot Performance (15 Points)

The fifth category, Robot Performance, will determine the final 15 points of teams' BEST Award score. These 15 points will be based on the total game points earned throughout the seeding phase of the competition (prior to the semi-final and championship rounds) according to the following scale:

Team finishes in top 20% of all teams competing	15 Points
Team finishes in top 40% of all teams competing	12 Points
Team finishes in top 60% of all teams competing	9 Points
Team finishes in top 80% of all teams competing	6 Points
Team finishes in top 100% of all teams competing	3 Points
Team is unable to score any points during the competition	0 Points

Up to 15 Robot Performance points will be included in BEST Award points.

Applying for the Simulink Design Award

The "BEST Simulink Design Award" sponsored by MathWorks is an award open to all teams participating in the competition. The award will be presented to one team in each of the 3 BEST championship regions (South's, Texas, Denver) that best applies Simulink in the programming of their robot based on the judging criteria and their robot's performance in the competition. Any

team using MathWorks MATLAB/Simulink to design their software (i.e. robot program) is eligible. The entries must be submitted by November 27, 2021 for all regions.

For detailed information regarding this award, please see the following: Section 4.3.2 – *Simulink Design Award Guidelines*, Section 4.4.3 – *Simulink Design Award Evaluations*, and Section 4.4.4 – *Simulink Design Award Recognition* on pages 67-69 in the 2021 BEST Robotics Competition Rules.

Additional Information

Seating at South's BEST

Teams will be assigned a seating location upon check-in on Saturday morning. Teams will be limited to no more than 75 people, including students, parents, teachers and other team supporters. Teams may NOT rope off seating areas due to fire code restrictions.

Judging Procedure and Results

A distinguished team of judges from both private and public sectors with technical and non-technical expertise will evaluate teams with all judges serving on a rotation schedule.

Category scores will be the average of each judges' individual scores. Teams should know in advance that scores among many teams frequently differ by only fractions of a point.

Each team will be mailed a copy of its score sheets following the competition. Top rankings will be posted on the South's BEST website at www.southsbest.org.