



Awards and Judging Hub Logistics

Awards

In addition to the Standard Required Hub Level Awards outlined in the BEST Competition Rules document (*Section 4 – Awards & Judging*, pages 49 – 53, and *Section 7 – Standard Required Awards*, page 63), the awards below will be given at the War Eagle 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 on 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.

T-shirt Design Award

Awarded for the most original game-specific team t-shirt design. In addition, teams should submit a brief explanation of their design (no longer than one page) with their t-shirt. The explanation sheet should clearly identify the team # and school name and be attached to the t-shirt by pin, clothespin, paperclip, or some similar device. T-shirts may be picked up at the Registration Desk at 3:00pm Saturday afternoon of Game Day. T-shirts should be submitted to the Registration/Information Desk upon Check-in at the event to be considered for judging.

Web Page Design Award

The website is a marketing tool to be used by the BEST team to both market their robot for retail sales and to emphasize that their company is the best company by which to purchase a robot. On a well organized and professionally presented website, teams should showcase their company’s team members, development efforts, and community outreach with consideration to the constraints of the game theme. Judging will be based on the following categories: basic information, navigation, functionality, layout/readability, content/game theme, community outreach, and creativity/originality.

To be considered for this award, the web address should be submitted to the following link:

<https://goo.gl/forms/Oz537nmwpgG0nyjx1> by **Monday, October 15th at 11:59pm.**

Computer Aided Design Award (1st place only)

Awarded to the team that shows the highest mastery and most creative use of CAD software. Criteria used to assess the designs include best use of CAD software, quality of designs, and degree of difficulty and mastery. Any CAD software may be used. Each team can submit a maximum of 10 pages of CAD drawings, and should include one additional description page (no more than one page typed) of how the team implemented CAD in their design process and what type of software was used to develop the drawings. These documents should be placed in an envelope or a binder labeled with the school name and team # on the outside. Drawings can be submitted to the Registration Table upon check-in on **Saturday, October 20th**.

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

Awarded to the top three teams with the most creative and innovative Team 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.

Spirit and Sportsmanship Award (BEST Award teams only)

Awarded to the team that scores the highest on the Spirit and Sportsmanship category of the BEST award competition.

Team Demographics Information

The required Team Demographics information must be submitted to the hub during the Robot Compliance Check to be considered complete. Teams that do not complete Robot Compliance Check are subject to disqualification. Robot Compliance Check will take place before competition on **Saturday, October 20th**.

BEST Award Logistics

Hub vs. Championship Judging

Because hubs operate with a variety of resources, specific requirements of the BEST Award will vary between hubs. This document contains specific requirements set forth by your local hub for the BEST Award competition. Should your team advance to the Regional Championship and participate in the BEST Award, be aware that there may be some differences in notebook, marketing presentation, team exhibit, and interview procedures and guidelines, as well as some other optional/additional awards.

The BEST Award will be judged using the following scenario:

Judged Components	Point Value
Engineering Notebook	30 points
Marketing Presentation	25 points
Team Exhibit and Interviews	20 points
Spirit and Sportsmanship	10 points
Robot Performance	15 points
Total	100 points

Engineering Notebook (30 points)

- ALL participating teams are required to submit an Engineering Notebook at both the local competition and the regional championship following the requirements stated herein. All notebooks will be evaluated on a 30-point scale.
- The Engineering Notebook should be received by **Monday, October 15th at 11:59pm**. Team notebooks must be submitted electronically via the following link: <https://driveuploader.com/upload/Cjfb2I3KEW/>. Files must be in PDF format (saved as one single document – not multiple) with a file name of "Team# - Team Name.pdf" or "99 - War Eagle High School.pdf."
- For additional information regarding your Engineering Notebook, please reference *Section 5.1 – Judged Components*, pages 53 – 54 of the 2018 BEST Robotics Competition Rules.

Marketing Presentation (25 points)

- Each BEST Award team will sign up for a presentation time slot. Marketing presentations will take place on **Friday, October 19th** from 1:15pm to 4:00pm in the Sciences Center Buildings at Auburn. As sign-ups open, available Marketing Presentation time slots will be emailed to all teams with anticipated time slots from 1:15-1:45, 2:00-2:30, 2:45-3:15, and 3:30-4:00. Teams should email their top two time slot choices to jgm0010@auburn.edu by **Friday, September 28th**. Teams that have not requested a time slot by that time will be assigned an open time slot.
- Teams at War Eagle BEST will have a total of 18 minutes from when they enter the room to set-up, begin, and complete their presentation.
- Check-in for Marketing Presentations will be **Friday, October 19th** in SCL 102. Teams should check-in 20 minutes prior to their scheduled time slot.
- At the time of the presentation, the following equipment will be available: MacBook Pro equipped with Microsoft Office 2011 for Mac, projector, and a screen. More information to be e-mailed. The team must provide any additional equipment it wishes to use. Please bring a copy of team's presentation on a jump drive. Teams are allowed to use their own equipment; however, they should account for the extra time needed to set up their equipment and it will be included in their 18 minutes.
- For additional information regarding your Marketing Presentation, please reference *Section 5.2 – Judged Components*, pages 55 – 57 of the 2018 BEST Robotics Competition Rules.

Team Exhibit and Interviews (20 points)

- Tables will not be provided at War Eagle 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.
- Team Exhibits will be located on the mail hall of Opelika High School. The War Eagle BEST staff will assign team locations for displays. Teams will be directed to their assigned location upon registration on Saturday morning.
- Team Exhibit set-up can begin at 7:30am on Saturday, October 20th after team check-in at the Registration Desk. Exhibits should be completely set up by 10:30am on Saturday and students should be prepared for judges to begin visiting their tables starting at 11:00am.

- Teams should expect to be visited by three to four different judges during the day.
- It is anticipated that judging of Exhibits will be finished no later than 3:30pm. Note that judging will NOT occur during the lunch break (anticipated 12:30 to 1:00pm).
- We anticipate that teams will be able to dismantle Team Exhibits starting at 3:30pm. Please wait until the official announcement before any breakdown begins.
- Teams should be sure that their Exhibit is clearly marked with school name and team #.
- 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.
- No live animals may be distributed as part of a team giveaway.
- For additional information regarding your Team Exhibit and Judges Interview, please reference *Section 5.3 – Judged Components*, pages 58 – 59 of the 2018 BEST Robotics Competition Rules.

Spirit and Sportsmanship (10 Points)

- Judges will evaluate this category on Game Day.
- Judges will observe the spirit promoted by the team during the head-to-head competition matches as well as the team’s conduct throughout the day in the seating area, team exhibit area, game floor, and pit area.
- Judges may also consider the team’s conduct at the entire competition.
- The following noise-makers are banned at the event: air-horns, whistles (and similar high frequency items), bass drums (and similar low frequency items), and amplified sound or amplified instruments.
- Instruments will only be allowed during specified spirit breaks and should not be played unless invited by the emcee.
- The Head Judge has the right to ban any noise-makers that are deemed to potentially cause hearing damage by those in attendance at War Eagle BEST.
- To facilitate judging on Saturday, each competing team may bring a “spirit stick” for identification in the seating area. Specifications include:
 - School name and/or team # prominently displayed and visible by judges from a distance.
 - Pole constructed of PVC pipe or similar material (should not be pointed or sharp on either end).
 - Maximum height of 8 feet.
 - Spirit sticks are meant solely as a means of team identification by the judges during the competition. Please do not attach spirit sticks to the seating area.

- For additional information regarding Spirit and Sportsmanship, please reference *Section 5.4 – Judged Components*, page 60 of the 2018 BEST Robotics Competition Rules.

Robot Performance (15 Points)

- The fifth category, Robot Performance, will determine the final 15% of possible BEST Award points. These 15 points will be based on the total game points earned throughout the seeding 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 added to the total 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 is presented to one team in each of the 5 BEST regions (Frontier Trails, South’s, Texas, Denver and Pittsburgh) that best applies the ‘Simulink Support Package for VEX’ based on the judging criteria below and their robot’s performance in the competition. Any team using MathWorks MATLAB/Simulink to design their software (i.e., robot program) is eligible.

To apply for the award, teams are required to submit their best Simulink model and a short video describing their program design using Simulink. The entries must be submitted before **11:00 PM CT, Friday, November 16, 2018.**

Information that teams need to provide when submitting their entry:

- Name of School
- BEST Hub (know which hub you belong to)
- Team Contact
- Team Contact Email Address (important: all entries are tied to this email address)
- # Students on the Team
- Simulink Model File (.slx or .mdl file)
- Link to YouTube Video (3 min. maximum)
- Brief Description (256 chars) of how the team used Simulink to program their robot

For additional information regarding this award, please see the following: *Section 4.3.2 – Simulink Design Award Guidelines*, *Section 4.3.3 – Simulink Design Award Evaluations*, and *Section 4.3.4 – Simulink Design Award Recognition* on pages 52-53 in the 2017 BEST Robotics Competition Rules.