



2019 Awards and Judging Logistics

Music City BEST

Section 1 Additional Awards

In addition to the Standard Required Hub Level Awards outlined in the BEST Competition Rules document, the following awards will be given at the Music City BEST competition:

- Lipscomb University Award for Robotic Engineering Excellence
 - Recognizes excellence in engineering design and construction of the robot
- Most Photogenic Machine
 - Recognizes the most elegant design
- Rube Goldberg Award for Meritorious Achievement in Design Complexity
 - Awarded to the team who accomplished the game objective with extreme complexity of design
- Blood, Sweat, & Duct Tape Award
 - Awarded to the team who faced struggles and obstacles throughout the competition, yet never gave up.
- BEST Category Awards
 - Best Project Notebook
 - Best Marketing Presentation
 - Best Team Exhibit & Interviews
 - Best Spirit & Sportsmanship
- Exhibit Design & Construction
- TVA Safety Award
- School Awards
 - BEST Rookie Team
 - Most Improved Veteran Team
- People Awards
 - Teacher of the Year
 - Mentor of the Year
- Team Awards
 - Best Web Site Design
 - Best Team Mascot
 - Best Team Costume
 - Best Tee Shirt Design

Section 2 Team Demographics Information

The required Team Demographics information must be submitted to the hub before the Robot Compliance Check will be considered complete. Teams that do not complete Robot Compliance Check are subject to disqualification. The team will submit the Team Demographics information on the musiccitybest.org website - <https://cps-vo.org/group/MCBEST/demographics>. If the team is unable to fill out the form online, bring the completed form to the game day Robot Compliance Check on November 2.

Section 3 BEST Award Logistics

3.1 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
<i>Total 100 points</i>	

3.2 Engineering Notebook (30 points)

The Engineering Notebook should be received by Tuesday, October 29, 2019 by 4:00 pm. The Engineering Notebook must be a PDF file uploaded to the Music City BEST website Notebook Submission (<https://cps-vo.org/group/MCBEST/notebooks>) with the following file name format: ###-<School or Team Name>-Notebook.pdf. For example, the file name for the notebook from DART would be: 1022-DART-Notebook.pdf.

3.3 Marketing Presentation (25 points)

Each BEST Award team will sign up for a presentation time slot using the Marketing Presentation RSVP form (<https://cps-vo.org/group/MCBEST/marketing>) found on the 2019 Game Submission Page by 4 pm on Wednesday, October 30. The available time slots will be Friday evening, November 1, and during competition day, Saturday, November 2. Teams will be given an opportunity to provide their first, second, and third choices for time slots which will then be assigned based on these requests. The location of the presentations will be on the second floor of the Field Engineering Center at Lipscomb University on Friday evening and in the Ezell room 136 (building to the west of the arena) on Saturday morning.

3.3.1 Equipment Guidelines

At the time of the presentation, a Microsoft Windows based computer with Power Point projection capability and a projector and screen will be available. Please bring your presentation on a flash drive or portable drive. While these computers typically have internet access, we cannot guarantee it will be working when your team is presenting. The team must provide any additional equipment it wishes to use. It is recommended that teams bring paper

copies of their presentation slides to use in the event their presentation file does not load or display. The paper copies can then be handed out to the judges, and the presentation can continue.

3.3.2 Time Breakdown

Each team must check in at least 20 minutes prior the scheduled presentation. The order and breakdown for the 25-minute presentation time period is as follows:

- 5 minutes: Set-up
- 12 minutes: Presentation
- 5 minutes: Q&A with judges
- 3 minutes: Break-down and clear room

At least five minutes will be scheduled between presentation sessions to allow judges time to confer without the team present.

3.4 Team Exhibit and Interviews (20 points)

- Each BEST Award team will sign up for exhibit booth space using the Team Booth RSVP form (<https://cps-vo.org/group/MCBEST/booth>) found on the 2019 Game Submission Page by 4 pm on Wednesday, October 30.
- Exhibits can be set up from Friday evening, November 1, from 5:00 pm until 11:00 pm and on Saturday morning, November 2, from 6:00 am until 9:00 am. Each team will receive a schedule for when the judges will visit the team exhibit. The judges want to talk only with student members of the team. Points will be deducted from the score sheet if any adult mentors or teachers participate in the exhibit interviews with the judges.
- Each team will be provided with a standard six-foot long table (approximately 29 inches wide) upon request to be used as part of the team exhibit.
- Maximum allowed floor space for table displays will be 8' X 8'.
- Maximum allowed height for table displays will be 8'.
- Exhibits should be manned by student representatives throughout Game Day.
- Teams will be visited by up to four different judges during their scheduled interviews.

3.5 Spirit and Sportsmanship (10 Points)

- Teams are encouraged to bring cheerleaders, bands, signs, banners, etc. for showing spirit.
- Judges will be roaming throughout the day; you probably will not know who they are.
- In recent years, the noise volume in the arena has become dangerously high and harmful to the hearing. The judges have felt the noise is being made simply for noise sake and is not associated with cheering and support for the competition. Many people have complained that the whistles and loud banging distract from the competition and do not promote team spirit. The judges are NOT giving points based on volume. Instead, they are judging based on the quality of the noise and how well it demonstrates team spirit.
- Yelling, clapping, coordinated cheers, and commercially recognized musical instruments are highly encouraged. Air powered horns and other powered noise makers, vuvuzelas and

other similar noise makers, and whistles will not be allowed during the competition. Audio in the team exhibits must a reasonable level.

- Any noise, at the discretion of the Hub Director, which distracts from the competition will not be allowed.

Section 4 Applying for the Simulink Design Award

To apply for the award, teams are required to submit their Simulink model and a link to a short video describing their program design using Simulink. Teams will submit their entries by completing a form at the following location:

http://www.bestrobotics.org/simulink_award/form.php

PASSCODE = Bl@ck0ut

The entries must be submitted before 11 PM (local time) November 23, 2019 for all regions.

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 file)
- Link to YouTube Video (3 min. maximum)
- Brief Description (256 chars) of how the team used Simulink to program their robot