Robotics BattleBot Challenge - Division 60

Advisors: Tom Cummings
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Student Assistant: Joseph Jones

Entry Deadline:	January 15, 2019
Check In:	February 28, 2019, 4:00 PM to 8:00 PM in Arnold Hall.
	March 2, 2019, 10:00 AM to 4:00 PM in Arnold Hall.
Check Out:	April 11, 2019, 4:00 PM to 8:00 PM in Arnold Hall.
Group Entries:	Accepted

Competition Date:
April 7, 2019 at 1 p.m. competition begins. Absolutely no participant entry to The Youth Fair before 12 noon- no exceptions!! Weigh in and safety check between 12 noon and 1 p.m. The Youth Fair event supervisors/assistant supervisors have the discretion to stop any match and exclude the said robot when the supervisors/assistant supervisors have made a decision that safety of any degree is in questions to the participant, spectators, cage or any other aspect of the event. Safety glasses must be worn at all times in the pit area or the participants will be required to leave the pit area and not allowed to participate.

Rules:
1. Grade Levels: Middle School and High School. Teams must have submitted Fair registration by the Entry Deadline, or team will be eliminated, no exceptions. (no new entries on the day of contest.)
2. Number of Entries: Each team may enter only one robot. Schools may have
3. more than six teams per school per division. Teams are limited to four student members and one advisor.
4. Weight Specifications: Class 6001 robots must be no more than 3 pounds (Requirement for separate divider/compartment for lithium polymer battery is waived for class 6001) Class 6002 robots must be no more than 15 pounds.
5. Entry Tag(s) must be adhered to the lower right corner of the notebook's back cover. A copy of the tag should accompany and be affixed to the robot entry on the day of competition.
6. Acceptable Entries: Each entry must consist of two parts:
    - 3-pound and 15-pound combat robots must be constructed by the rules at the following web address, and the engineering build/documentation notebook should follow the guidelines at http://www.battlebots.com/downloads/rules/BattleBots_Building_Rules_HS.2010.pdf
    - Each engineering notebook must contain a general design essay as well as a separate essay of each team members focus area relative to the design/construction /maintenance and operation of the combat robot.

- The notebook must be submitted and turned over to the judging committee on project check-in day for evaluation. Teams not submitting an engineering/documentation notebook on check-in day will not be allowed to compete with their robot. No exceptions.

7. Additional Instructions: Time limitations, required safety equipment, and other items are listed below. Please review carefully.

Robotics Challenge Procedures:

Teams will be randomly placed into a double elimination bracketed style tournament. Teams will have the task of engineering a robot with the ability to defend and defeat their opponent in a three (3) minute match. The double elimination tournament will allow a minimum of 2 competitions per team. An overall winner will be determined at the end of the tournament. Separate awards (3) will be given to the teams with best documentation of the engineering process in their engineering/ documentation notebook. Judges Awards (1) will also be given in the following categories: best engineered and most creative design. Participants can download the latest version of these rules, and additional information from http://www.battlebots.com/downloads/rules/BattleBots_Tournament_Rules.2010.pdf. If the BOTSIQ rules are updated/modified with regard to safety concerns before the date of this competition, they will be mandated at this Fair competition on April 9, 2019.

Competition Guidelines and Requirements:

Teams are responsible for following appropriate safety procedures at all times as per the rules at http://www.battlebots.com/downloads/rules/BattleBots_Tournament_Rules.2010.pdf All team members must wear appropriate closed-toe footwear. No bare feet, sandals or open-toed footwear are allowed. Each team is also responsible for providing their own safety glasses at the event. All team members, including coaches, must wear safety glasses while in the pit or on the playing field. Team members not wearing appropriate safety gear will not be allowed in the pits or on the field.

The Playing Field:

The playing field is 8' x 8' in dimension. (http://teched.dadeschools.net/Resources/Robotics challenge.htm).

The Engineering Notebook:

The engineering notebook must be in compliance with all of the referenced items per the web site at http://www.battlebots.com/downloads/rules/BattleBots_Building_Rules_HS.2010.pdf.

The Robot:

The battling robot must be built within all of the referenced items per the website at http://www.battlebots.com/downloads/rules/BattleBots_Tournament_Rules.2010.pdf

Class Number and Title:
Class 6001 - Middle and High School Robotic 3-Pound BattleBot Challenge
Class 6002 - Middle and High School Robotic 15-Pound BattleBot Challenge
Class 6003 - Middle and High School Robotic 1- Pound BattleBot Challenge

Judging and Scoring Criteria:
Tournament Combat – Matches will be 3 minutes in duration. Match winners will be determined as either a tap out, a 10 second non-motion count out or by judge's decision.

Engineering Notebook Scoring Rubric:
http://teched.dadeschools.net/Resources/Roboticschallenge.htm

Premiums, Plaques and Trophies:

First Place 3-pound Robot Challenge	Trophy
Second Place 3-pound Robot Challenge	Trophy
Third Place 3-pound Robot Challenge	Trophy
First Place 15-pound Robot Challenge	Trophy
Second Place 15-pound Robot Challenge	Trophy
Third Place 15-pound Robot Challenge	Trophy
First Place 1-pound Robot Challenge	Trophy
Second Place 1-pound Robot Challenge	Trophy
Third Place 1-pound Robot Challenge	Trophy
First Place Engineering Documentation Class 6001	Trophy
Second Place Engineering Documentation Class 6001	Trophy
Third Place Engineering Documentation Class 6001	Trophy
First Place Engineering Documentation Class 6002	Trophy
Second Place Engineering Documentation Class 6002	Trophy
Third Place Engineering Documentation Class 6002	Trophy
Most Creative Robot Class 6001	Trophy
Most Creative Robot Class 6002	Trophy
Best Engineered 3-pound Robot	Trophy
Best Engineered 15-pound Robot	Trophy

Purple Ribbon	$10.00 and Rosette
Blue Ribbon	8.00
Red Ribbon	6.00
White Ribbon	4.00
Yellow Ribbon	Ribbon Only

If you have any questions prior to registration or the actual event, please email Paul Kynerd at pkynerd@dadeschools.net or David Kirkpatrick at 172734@dadeschools.net.

If there are no entries meeting the quality standards for any special awards, no award will be given.