



2017 Battle^{of} the Bots

Before the Event

- By 1/11/17, send the following to Mary Beth Hausken, Event Director, at mbhausken@opef.org:
 - Complete the online [Team Information Form](#).
 - Email a photo of your team (for inclusion in our PowerPoint Slide Show) to Mary Beth Hausken, Event Director, at mbhausken@opef.org.

All documents are also available at the [Battle of the Bots event site](#).

- Make sure your robot has the newest version of the VEX EDR firmware. You can find it on VEXRobotics.com website on the Downloads page.
- Review the Inspection Checklist (attached) and Section 4 of the Starstruck Game Manual before showing up for the event. Pre-inspect your own robot to ensure you can pass inspection quickly when you arrive.
- Familiarize yourself with the scoring and game rules before tournament day.

Things to Bring to the Event

- Signed [VRC Participant Release Form](#) for all participants, both adults and students.
- Signed OPEF Photo Release Form for all participants, both adults and students (attached).
- Robot with 2 license plates of one color attached, license plates of other color, hand tools, spare parts, battery charger, spare batteries, programming laptop, and 6' extension cord.
- Safety glasses/goggles for all your team members to wear in the match arena.
- Every team will be provided with a 5-foot table with seating for 6 and access to a power outlet.

When You Arrive at the Event

- Check in at the Pit Check-in Desk and set up your station in the Pit Area.
- Have your robot inspected.

- Familiarize yourself with the layout of the event and location of the Tournament Match Arena.
- Get in some practice time in the Practice Arena.
- Do some the Robt Skills matches.
- If you have questions or need help with anything, ASK! Our staff is here to help. We want every team to feel confident and have a great time.

During the Event

- Know your match schedule and manage your time to ensure you don't miss any matches. This is a live event and matches may run ahead of the published schedule. **Refer to event monitors for the most up-to-date schedule information.**
- Leave the Pit early enough to report to the Tournament Arena **at least 2 matches** before your scheduled match.
- Food and beverages for affordable prices will be available at the Competition Cafe from 7 am until 4 pm.
- A LEGO Play Station for kids will be available in the Café Seating area during the event.

General Recommendations & Information

- Make sure to label all your equipment and materials with your team number or school name.
- No power tools will be allowed in the Pit Area.
- Open-toed shoes are not recommended.
- Note parking information included in this packet.
- Families and spectators can get tournament information including match scores and rankings by using the VEX Via app (free on iTunes or Google Play) or monitoring our event site online at Robotevents.com > 2/4/17 Battle of the Bots Middle School Tournament.



For game rules, guidelines, checklists and information, go to: www.roboticseducation.org



Oak Park
Education
Foundation
VEX Robotics

OPEF 2016-2017 Photo Release Form

I hereby grant Oak Park Education Foundation permission to take and use my likeness in photograph(s)/video in any and all of its publications and in all other media, including its website.

Date _____

Participant Name (Please print) _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Participant Signature (if 18 years or older)

For Participants under the age of 18 years:

Parent/Guardian (Please print) _____

Parent/Guardian Signature _____

Robot Inspection Checklist

Team Number _____

Size Inspection

<input type="checkbox"/> Robot fits within starting size restrictions (18" x 18" x 18") does not touch walls or ceiling of the sizing box! <i>Robot should be measured WITH Team ID # Plates installed.</i>	R4
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Overall Inspection

<input type="checkbox"/> Team is only competing with ONE robot - they have no spare or replacement robots.	R1
<input type="checkbox"/> Robot displays colored VEX Team Identification plates on at least (2) opposing sides.	R19
<input type="checkbox"/> Robot does NOT contain any components which will be intentionally detached on the playing-field.	G11
<input type="checkbox"/> Robot does NOT contain any components that could entangle or damage the playing-field or other robots.	R3
<input type="checkbox"/> Robot does NOT contain any sharp edges or corners.	R3
<input type="checkbox"/> Robot on/off switch is accessible & Microcontroller lights are visible without moving or lifting the robot.	R16

VEX Parts Inspection

<input type="checkbox"/> ALL Robot components are (or are IDENTICAL to) OFFICIAL VEX Products as sold on VEXrobotics.com (No 3D printed functional parts are allowed)	R5 R6 R7
<input type="checkbox"/> Robot does not use VEX products not intended for use as a robot component or any VEX packaging.	R5b
<input type="checkbox"/> ALL Components on the Robot NOT meeting VRC Inspection Criteria are NON-FUNCTIONAL decorations	R7d
<input type="checkbox"/> Any grease is used only in moderation on components that do not contact the field, objects, or other robots.	R7e
<input type="checkbox"/> Any non shattering plastic on the robot was cut from a single sheet of 0.070" material not larger than 12"x24".	R7f
<input type="checkbox"/> Robot has only (1) VEX EDR Microcontroller.	R9
<input type="checkbox"/> Robot utilizes the VEXnet wireless communication system.	R10
<input type="checkbox"/> None of the <i>electronics</i> are from the VEXplorer, VEXpro, VEX-RCR, VEX IQ, or VEX Robotics by Hexbug.	R10b
<input type="checkbox"/> Total number of Servos and Motors is not more than twelve (12) without use of pneumatics or ten (10) with use of pneumatics.	R11
<input type="checkbox"/> Each 2-wire motor is plugged into its own 2-wire port or into a Model 29 motor controller	R11-2a
<input type="checkbox"/> A motor may only be controlled by a single controller port	R11-2b
<input type="checkbox"/> Robot uses a maximum of (1) Y-Cable per each 3-wire Motor Port (cannot "Y" off a 2-wire Motor Port)	R12
<input type="checkbox"/> Robot uses (1) VEX 7.2V (Robot) Power Pack as the primary power source.	R13
<input type="checkbox"/> If the Robot has a Power Expander, it has a 2nd 7.2V (Robot) Power Pack	R13
<input type="checkbox"/> Robot uses a maximum of (1) VEX Power Expander	R13b
<input type="checkbox"/> Robot has a charged 9V Backup Battery connected	R13c
<input type="checkbox"/> Team only utilize VEX Battery Chargers for charging VEX 7.2V Battery Packs	R13e
<input type="checkbox"/> Robot is not controlled by more than (2) VEX hand-held transmitters.	R14
<input type="checkbox"/> NO VEX electrical components have been modified from their original state.	R15a
<input type="checkbox"/> NO Method of attachment NOT provided by the VEX Design System is used. (Welding, Gluing, etc.)	R15b
<input type="checkbox"/> Robot uses a maximum of two (2) VEX pneumatic air reservoirs. (Maximum 100 psi per air reservoir)	R18

Field Control Check

<input type="checkbox"/> Robot successfully completes the "Field Control Check" Procedure. See Inspection Guidelines.	R21
<input type="checkbox"/> Robot enters Autonomous mode when prompted with no driver control for duration of Autonomous.	R20
<input type="checkbox"/> The Hand-held Controller(s) ONLY control the robot when robot is in Driver mode.	R20

PTC Verification Testing

Failure to pass this test will result in immediate Event Disqualification	Pass / Fail: _____	Tested By: _____	R15 R21
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Final Inspection Pass / Fail: _____ Inspector Signature: _____ Team Initials: _____



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Event Parking Information

We have arranged with the Village of Oak Park to have a **Blanket Parking Pass** issued for our event on Saturday, February 4, 2017 from 6 am – 7 pm. During this period the Village will lift parking restrictions on village streets within a two-block radius of Percy Julian Middle School. This means:

- On surrounding streets, such as Madison, Washington and Cuyler, within a 2-block radius of the school you may park from 6 am – 7 pm even if the signage says “2-hour parking only.”
- The one **exception is Ridgeland**. One **MUST** obey parking signs on Ridgeland Avenue at all times.
- The Blanket Pass does NOT apply to handicapped parking, No Parking Zones or areas near hydrants.
- If you are mistakenly issued a parking ticket, you may take it to the Village Hall Parking Services at 123 Madison Street, Oak Park and they will take care of it.

We recommend leaving a copy of the attached event flyer in the back window of your car to show you are attending our event.

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Percy Julian Middle School
416 S. Ridgeland, Oak Park
Saturday, February 4, 2017, 9:30 am-5 pm