

ROBOTS!

6th Annual GRITS

Georgia Robotics Invitational Tournament and Showcase



Hosted by

Walton Robotics

in collaboration with Georgia**FIRST**Robotics

Saturday • October 10, 2015

Robotic Fun for the Entire Family!
FREE & OPEN TO THE PUBLIC

SPONSORS

Kimberly-Clark Corporation • Automation Direct • Walton High School
Georgia FIRST Robotics • US Army ROTC 6th Brigade

Walton High School • 1590 Bill Murdock Rd, Marietta, GA 30062

We're looking forward to seeing you at GRITS 2015 at Walton High School! This packet contains important information to prepare for and attend the event. Here is a quick reference list for your convenience.

PREPARATION

- **FIRST 2014-2015 Consent form (included in this packet)**
Each participating member of your team (students, coaches, mentors) needs to complete a Consent form and have them ready to turn in when your team checks in. Use the included form or bring the official FIRST team roster from TIMS.
- **Announcer Info Sheet (included in this packet)**
Turn in the attached announcer information sheet at Pit Admin by 8:30am on Saturday October 10th.
- **Pre-order lunch option. (included in this packet)**
There are many restaurants within a few miles of the school. However, we are providing teams a way to pre-order food for their convenience. See the included meal options and online address to order.

EQUIPMENT TO BRING

- **Safety Equipment**
Safety Glasses (REQUIRED in the PITs)
CLOSED-TOE SHOES ARE A MUST!!
- **Pit Tools (extension cords, hand tools)**
- **Pit Decor to represent your team**
- **Leave Team Routers home - they create field interference issues**

EVENT INFORMATION

- **Load In**
Load in Fri 10/9 4:30-8:00 and/or Sat 10/10 7:30 am in back of school (see included map for details)
Pit locations will be first come, first serve for Veteran teams.
- **Parking - See included map for parking spots**
- **FIELD and SCORING** – Be ready to play and get the most out of GRITS! – see included “Getting your Robot on the Field – Self-Setup Instructions” to prepare your robot for match play. Make sure to bring a team member/mentor that knows how to program your robot’s radio or plan ahead and contact other teams if you need help to be ready in advance of GRITS.
- **Drive Team Meeting** – The Driver Team meeting will take place on the field at 8:15am on Oct. 10th. It is important that your driver team be present.
- **Lunch on Saturday: 12:00 – 1:30 pm.** You may get lunch at one of many local restaurants, or enjoy pre-ordered meals delivered to you! See the included meal options and online address to order.

SEE YOU AT GRITS!

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In an effort to help the teams at GRITS get to know each other better, this year's announcer would like to know a little more about your team. Please complete this optional survey and return it to the Pit Administration by 8:30am on Saturday morning (10-4). The announcer will use this information during the introductions and as filler between matches. You do not have to answer every question, just those you would like to share with the crowd. Remember, this survey is completely optional. This sheet will not be used in the judging process. It is for the announcer only. If you would like to give a button to the announcer for him to wear during the competition, you can leave it with your completed form.

Team Number _____ Team Name/Nickname _____

Robot Name _____ # of Students on Team _____ From How Many Schools _____

Team Motto _____

Cheer of Slogan (not motto) _____

Previous competitions this year _____ Awards this Year _____ Championships? _____

Robot Features/Strategy that you would like to share _____

Funny thing or inside joke to share _____

Unusual Fund Raising Idea _____

Team Community Service Activity _____

Teams you are mentoring _____

Team example of Gracious Professionalism _____

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UNITED STATES FOUNDATION FOR THE INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY (FIRST®) CONSENT AND RELEASE AGREEMENT

Participant Name: _____

If Participant is under 18 years of age, Parent/Guardian Name: _____

Participant Date of Birth if under 18 years of age [MM/DD/YYYY]: _____

Participant Address: _____

Participant Email (If Participant is under 18 years of age, Parent/Guardian Email): _____

Participant Team Number: _____

The Participant identified above ("Participant") desires to participate (as a team member, coach, mentor, judge, or in some other manner) in the FIRST® Robotics Competition, FIRST Tech Challenge, FIRST LEGO® League, Junior FIRST LEGO League, or another FIRST program (the "Programs"). As a condition of allowing Participant to participate in a Program, United States Foundation for Inspiration and Recognition of Science and Technology ("FIRST") requires that the Participant (by his or her Parent/Guardian if under 18 years of age) agree to the terms of this Consent and Release Agreement.

1. Participant (and the Parent/Guardian of a Participant under 18 years of age) understands that participation in the Program will expose Participant to risks of injury including, without limitation, injury from: building, lifting, and using electrical/mechanical robots and robot components; using tools; other participants; dancing and other associated activities. Participant (and the Parent/Guardian of a Participant under 18 years of age) understands that FIRST does not select, employ, supervise or otherwise exercise authority or control over the coaches, mentors, and other participants in the Program. Participant, if 18 years of age or older, acknowledges and agrees that he/she is primarily responsible for his/her safety. The Parent/Guardian of a Participant under 18 years of age acknowledges and agrees that the Parent/Guardian is primarily responsible for the Participant's safety and that the Parent/Guardian will monitor, as appropriate considering the age of the Participant and other factors, the Participant's participation in the Program.

2. In consideration for FIRST allowing the Participant to participate in a Program, Participant (and the Parent/Guardian of a Participant under 18 years of age for and on behalf of the Participant and the Parent/Guardian) assumes all risk of such participation and hereby releases FIRST and (except as expressly provided below) all of FIRST's directors, officers, employees, volunteers, and agents from any and all claims for any injury of any kind to the Participant (and the Parent/Guardian) or other damages that may occur as a result of the Participant's participation in the Program, including without limitation any injuries or other damages that may be caused by the negligence of FIRST or negligence of any of FIRST's directors, officers, employees, volunteers, or agents (including without limitation negligently failing to adequately investigate or screen coaches, mentors, volunteers, etc.), and agrees not to file any lawsuit or otherwise make any claim against FIRST or any of FIRST's directors, officers, employees, volunteers, or agents for any such injury or other damages. The Participant (and the Parent/Guardian of a Participant under 18 years of age) does not hereby release any claims against any individual person who intentionally causes injury to the Participant.

3. Participant (and the Parent/Guardian of a Participant under 18 years of age) understands that photographs, videotapes, and other recordings will be made of participants in the Programs, including the Participant. Participant (and the Parent/Guardian of a Participant under 18 years of age) consents to those photographs, videotapes, and other recordings and the use thereof (i) as part of a record of the Program and (ii) to promote FIRST and the Programs. Participant (and the Parent/Guardian of a Participant under 18 years of age) has read this document and understands that this Consent and Release Agreement includes a waiver of the right to make injury claims that is intended to be legally binding. By signing below, Participant (and the Parent/Guardian of a Participant under 18 years of age) agrees to this Consent and Release Agreement.

Signature (of Participant if 18 years of age or older or Parent/Guardian if Participant under 18)

Printed name of person signing

Date

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MENU

October 10, 2015

GRITS Lunch Order

ORDERS MUST BE PLACED BY MIDNIGHT ON SUNDAY, OCTOBER 4TH



Chick-Fil-A Chicken Sandwich Meal

A boneless breast of chicken served on a toasted, buttered bun with dill pickle chips. Chips, coleslaw, cookie and bottled water.

_____ @ \$10.00 each



Firehouse Turkey Sub Meal

Medium (6-inch) Smoked Turkey Breast w/provolone cheese. Mayo and deli mustard on the side. Chips, Kosher dill pickle, cookie and bottled water.

_____ @ \$10.00 each



Papa John's Cheese Pizza Meal – Serves 4

Large Cheese pizza (8 slices), 1 chocolate chip cookie pie and 4 bottled waters.

_____ @ \$20.00 each

Place your order online as found in your email or click below to order:

ORDER LINK

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GETTING YOUR ROBOT ON THE FIELD — SELF-SETUP INSTRUCTIONS

Be ready to play and get the most out of GRITS! Follow the steps below to prepare your robot for match play. Make sure to bring a team member/mentor that knows how to program your robot's radio or plan ahead and contact other teams if you need help to be ready in advance of GRITS. Arrive early (doors open at 7:30am on Oct. 10) to make sure your robot will pair with the field communication system or plan to set up Friday afternoon between 4:30-7:30pm.

Note: If you need help, get stuck, or can't do this yourself - come ask us, the Field Tech guys, any questions you may have! If all of you cluck like chickens (or other assorted animal noises) we'll even come to you!

Be sure not to use your team's router at the event – it will cause interference.

Step 1. On the driver station computer, go to

"Control Panel>Network and Internet>Network and Sharing Center>Change Adapter Settings". Disable all networking (such as wireless, Bluetooth, etc) except for a local area/Ethernet connection (enable that device). Set it's IP address (right click>properties>Internet Protocol Version 4>Properties) to "10.TE.AM.5" - team 1234 would use "10.12.34.5". Hit "OK".

Step 2. Plug an Ethernet cable into the computer above and connect it to the robots radio/router (make sure the router is set to "Bridge Mode" as noted by the switch on the back (as opposed to Ferry Mode, of course)).

Step 3. In a browser go to "10.TE.AM.1" - team 1234 would be "10.12.34.1". Login, go to "Network Settings" and change the SSID to "GRITS" (all upper case, no quotes. As southerners, we're very particular about our grits.). Save changes. I repeat, save changes!!

Step 4. In the browser, go to the address "roborio-TEAM.local/" - team 1234 would be "roborio-1234.local/" (note: this step requires a Microsoft Silverlight enabled browser like Internet Explorer). Go to the roborio's network settings and change the connection type from DHCP to Static IP and set the IP address to "10.TE.AM.2" - team 1234 would use "10.12.34.2". Save changes and exit.

Step 5. Open up the FRC Driver Station and change the packet protocol from 2015 to 2014. The paper protocol can remain the same, 8.5 by 11.

Step 6. Verify with field officials that your team has been properly setup and you're good to go!

Note: You will not be allowed to compete until these steps are completed. Please do not show up to your first match without this completed - it just slows down the field!

GOOD LUCK AND WE'LL SEE YOU AT THE COMPETITION!

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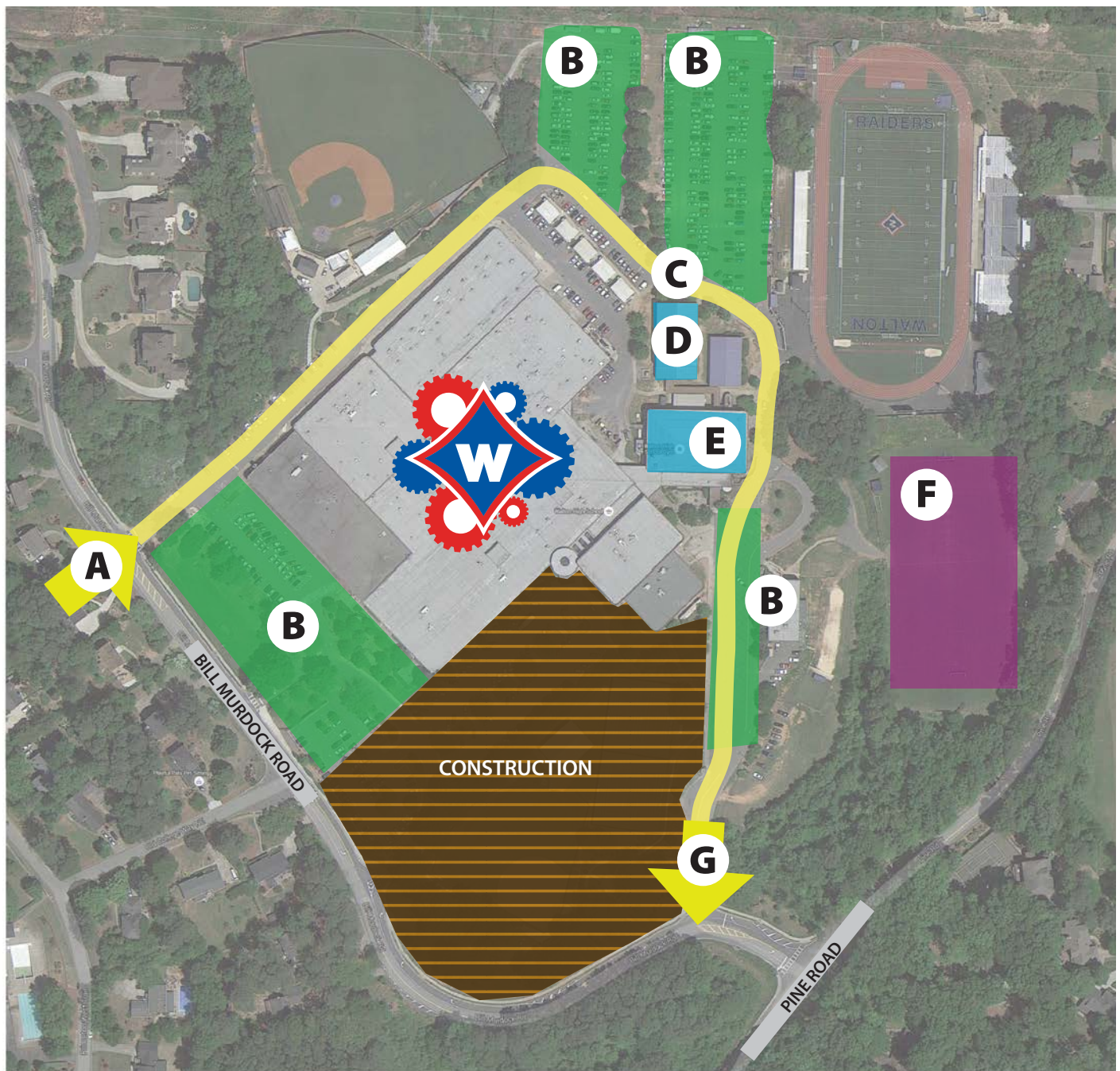
FRIDAY, OCTOBER 9TH 4:30 PM - 8:00 PM

4:30 PM to 7:30 PM	Teams able to setup in pits and use the practice field
8:00 PM	Venue closes for the night

SATURDAY, OCTOBER 10TH 7:00 AM – 7:00 PM

7:00 AM	Venue opens for volunteers
7:30 AM	Venue opens for teams / Load-in
8:30 AM	Opening Ceremonies
9:00 AM- 12:00 PM	Qualifying Rounds
12:00 PM - 01:30 PM	Break for lunch
1:30 PM – 03:30 PM	Qualifying Rounds resume
03:30 PM – 04:00 PM	Short break and Alliance Picks
04:00 PM – 05:00 PM	Semi- Finals and Final Match
05:15 PM	Awards
5:30 PM	Truck arrives for field load, event tear down – volunteers needed
7:30 PM	Venue closes

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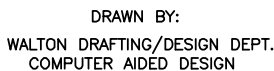
GRITS 2015

WALTON HIGH SCHOOL
1590 BILL MURDOCK RD
MARIETTA, GA 30062

- | | |
|-------------------|----------------------------|
| A ENTER | E COMPETITION FIELD |
| B PARKING | F PICNIC AREA |
| C LOAD IN | G EXIT |
| D PIT AREA | |

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- *Information about practice field will be provided during load-in.*

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