

# George Fischer Middle School Technology- **Robotics Club**

## Permission/Information Form

Your son/daughter is encouraged to participate in a ***Lego Robotics Technology Club*** at GFMS.

When: Every **Monday** from September 24, 2018 - November 26th, 2018.

Those 10 members involved in the FIRST Lego League (FLL) competition will continue to meet until February 2018. See [www.usfirst.org](http://www.usfirst.org).

Time: 2:30 PM – 4 PM.

The students can take the late bus home and leave at 3:15 or make arrangements to be picked up at 4 PM.

The 10 students selected to be on the GFMS ***Robotic Rams*** team will continue to meet on Mondays to prepare for the Regional Tournament in Poughkeepsie, or Chappaqua, which takes place on **Saturday February 9<sup>th</sup>, 2019 from 8 AM-3 PM**. This is 25 miles from Carmel.

We hope your child will be able to participate in this exciting and educational opportunity. Please contact the Technology Department, **Mr. Sottile**, if you have any questions at 228-2300 x564.

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Keep the top section

I give my son/daughter \_\_\_\_\_ permission to attend the Lego Robotics club at GFMS after school on Mondays. Those involved in the competition will be involved until February 2019.

\_\_\_\_\_  
(parent/guardian signature)

\_\_\_\_\_  
(date)

**Parent email:**

**Parent Cell:**

## GFMS Lego Robotics Club

The GFMS *Robotic Rams* Lego Club has been involved in the FIRST Lego League (FLL) competition since 2008. Please go to [www.usfirst.org](http://www.usfirst.org) for more information. Then click on FLL. (Our Carmel High School Team is in the FIRST Tech Challenge (FTC, FRC) competition).

Every year there is a new FLL theme:

2008-09: Climate Connections	2013-14: Nature's Fury	2018-19 Into Orbit
2009-10: Smart Moves	2014-15 World Class Learning	
2010-11: Body Forward	2015-16 Trash Trek	
2011-12: Food Factor	2016-17 Animal Allies	
2012-13: Senior Solutions	2017-18 Hydro Dynamics	

The **Qualifying** round of competition is an all-day event on a **Saturday Feb. 9<sup>th</sup>, 2019** at Poughkeepsie Day School or in Chappaqua (25 miles from Carmel). Of the 12 teams, the top 2 teams go on to compete in the *Hudson Valley Championship* at Dutchess Community College (DCC). Of the 12 teams at HV Championship, the top 2 teams go to whatever state is hosting the Championship event. It could be in Atlanta, GA or St. Louis MO etc.

There are four main sections of the competition:

**Teamwork activity:** students are interviewed by a panel of judges to discuss their involvement in this activity.

**Technical presentation:** the students describe & demonstrate how they programmed their robot to a panel of judges. (sensors, rotations etc.). They will provide documentation of the programs.

**Research project:** the students must do a research project describing a problem and a solution on this year's theme. They will give a 5 minute PowerPoint presentation to a panel of judges.

**Robot Game:** The students program their EV3 robot to gather points by accomplishing autonomous missions on a 4' x 8' playing field.