



FLL Robotics - Team TOBOR  
Holy Cross School, Collegeville, PA



To: 4<sup>th</sup> thru 8<sup>th</sup> grade parents:

Subject: 2019-2020 FIRST FLL Robotics at Holy Cross

**Would you like your son or daughter to gain real-world teamwork skills, learn hands-on problem solving, build self-confidence and participate in non-athletic team competition?**

**FIRST FLL Robotics competition may be just what you are looking for.**

The FIRST FLL Robotics team is returning and welcomes interested boys and girls in 4<sup>th</sup> through 8<sup>th</sup> grades. FIRST FLL is an international organization that is a partnership between FIRST (For Inspiration and Recognition of Science and Technology) and The LEGO Group.

Teams design and build a small robot (Lego's NEW Mindstorms EV3), which is then programmed to solve "missions" on the competition board. The students are the engineers - they plan, build, and program the robot themselves! Teams begin building in early September and then compete in local, regional and national competitions from November to February.

Last year there were two FLL teams from our school. Team Tobor won many awards last year:

- Local Competition (Lansdale Catholic):
- Qualifier Competition: 1<sup>st</sup> Place Champions Award and 3<sup>rd</sup> Place Finish
- Regional Competition (Univ of Pennsylvania): Both Tobor Team advanced, 4<sup>th</sup> Place Finish

The FLL program offers many benefits to the children including:

- Realizing that science and technology are fun.
- Seeing science and math applied in real-world applications.
- Learning hands-on problem solving and learning how to research and present a project.
- Gaining programming experience.
- Understanding the importance of teamwork in a non-sports environment.
- Building self-esteem and confidence.

Holy Cross will have 2-3 teams in the 2019-2020 FLL Robotics Competition\*. If you would like more information about FLL, please visit their website, <http://www.usfirst.org/roboticsprograms/fll>. All interested students and parents are encouraged to attend an informational meeting on **Thursday, September 19th from 7:00 p.m. to 8:30 p.m. in Holy Cross Cafeteria (please use back door to enter)**. To register your child for Holy Cross Robotics, please complete the attached registration form and return it through email [holycrossrobotics701@gmail.com](mailto:holycrossrobotics701@gmail.com) and submit payment to the school office. The program is always in need of coaches, if interested please email Steve Seckinger at [sseckinger@crirestoration.com](mailto:sseckinger@crirestoration.com).

\* Please know this program has a significant time commitment (like any sport). Each team member is an important part of the team and should minimize absences. Please consider this time commitment when registering your child so everyone can enjoy a true team experience. Additionally, we encourage parents to volunteer as much as possible as this is key to the program's success. Parents are encouraged to attend meetings where possible.



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### Registration Form

Student Name(s) (Last, First): \_\_\_\_\_ Grade(s): \_\_\_\_\_

Parent(s) Name (Last, First): \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email Address(s): \_\_\_\_\_

Bad days for Meetings (Circle all that apply): Mon. Tues. Wed. Thurs. Fri. Sat(am) Sat(pm)

Team with Friend Request (List friend's name): \_\_\_\_\_

Other Fall/Winter Sports/Activities anticipated: \_\_\_\_\_

**Parent Volunteers: Students with parent participation will be given priority.**

I am willing to be a Team Head Coach

I am willing to be a Team Assistant Coach (CircleOne): Robot      Project      CoreValue

I am willing to host team meetings at my house

	Size(s)	Quantity	Total
Registration Fee (\$90/student)			
T-Shirts (Available in YS, YM, YL, AS, AM, AL, AXL, A2X)			
Student's T-Shirt Size (included)			\$0.00
Volunteer T-Shirt Size (included)			\$0.00
Parent/additional T-Shirts (\$20/shirt)			
<b>Grand Total:</b>			

Checks are to be made payable to **"Holy Cross Regional Catholic School."**

**Registration closes Friday September 20, 2018.** Registration is limited to the first 20-30 paid students. Others will be put on a wait list. Meetings will begin Saturday September 28, 2020.

To register, please submit registration form via email [holycrossrobotics701@gmail.com](mailto:holycrossrobotics701@gmail.com) and payment must be returned to the school office to Mr. Seckinger c/o Owen Seckinger 8-126. Emailed registrations will not be accepted until payment is received.