## **Welcome Toasters!**

# Students, PLEASE sit with your parents.

 Take only (1) Packet per family

## THE FLYING TOASTERS 2018-2019 SEASON KICK-OFF

- 1) Welcome to Team 3641, The Flying Toasters
- 2) What is FIRST?
- 3) Schedule of Events
- 4) Team Expectations
- 5) Attendance

#### What is FIRST?

• FIRST stands for "For Inspiration and Recognition of Science and Technology" and was founded in 1989 by Dean Kamen to inspire young people's interest and participation in science and technology. FIRST designs accessible, innovative programs that motivate young people to pursue education and career opportunities in science, technology, engineering, and math, while building self-confidence, knowledge, and life skills.

#### FIRST Mission

 Being part of FIRST is a life-changing, career molding experience and a lot of fun! FIRST's mission is

"to inspire young people to be science and technology leaders, by engaging them in exciting mentor-based programs that build science, engineering and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership."

#### Gracious Professionalism - GP

- Dr. Woodie Flowers, FIRST National Advisor and Pappalardo Professor Emeritus of Mechanical Engineering, Massachusetts Institute of Technology, coined the term "Gracious Professionalism®".
- Gracious Professionalism is part of the ethos of FIRST. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. With Gracious Professionalism, fierce competition and mutual gain are not separate notions. Gracious professionals learn and compete like crazy, but treat one another with respect and kindness in the process. They avoid treating anyone like losers. No chest thumping tough talk, but no sticky-sweet platitudes either. Knowledge, competition, and empathy are comfortably blended. In the long run, Gracious Professionalism is part of pursuing a meaningful life. One can add to society and enjoy the satisfaction of knowing one has acted with integrity and sensitivity.

## Coopertition

- Coopertition® produces innovation.
- At FIRST, Coopertition is displaying unqualified kindness and respect in the face of fierce competition. Coopertition is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete.
- Coopertition involves learning from teammates. It is teaching teammates. It is learning from Mentors. And it is managing and being managed. Coopertition means competing always, but assisting and enabling others when you can.

#### FIRST Core Values

- In prior years, when asked what *FIRST* Robotics Competition's core values were, we would talk about Gracious Professionalism® and Coopertition®. Other *FIRST* programs, though, expanded on these two concepts by having a distinct list of values they could reference.
- FIRST Core Values are:
- Discovery: We explore new skills and ideas.
- Innovation: We use creativity and persistence to solve problems.
- Impact: We apply what we learn to improve our world.
- Inclusion: We respect each other and embrace our differences.
- Teamwork: We are stronger when we work together.
- Fun: We enjoy and celebrate what we do!







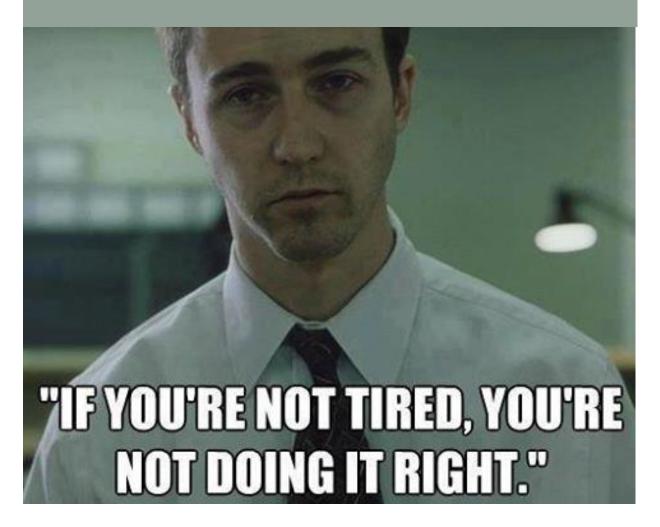
## FRC Season – January 1<sup>st</sup> thru May

- Kick-off is January 5<sup>th</sup>, 2019
- 6-1/2 weeks to figure out the game manual, design & build the robot, program.....
- Bag & Tag is on a Tuesday, during week 3 of February.
- 9 weeks of competition
- 2 District Events to qualify for MSC
- Performance of first (2) Districts and MSC qualifies for Worlds
- Worlds is in Detroit MI, last week of April

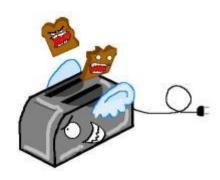
## **Competition season participation**

- The competition season runs from January through April and we can meet up to five days a week with a whole meeting on Monday and Saturday. We also meet and work on the robots during school breaks especially during the winter break before the stop build date (Bag & Tag). Returning members often schedule family trips around these dates because a lot of fun and exciting work is done during that time.
- The team does a lot of work and designing on the weekends when there is more time and there are more mentor resources available. Because of the short design and build timeline, time critical projects will be worked on each week. A project started on a Wednesday evening during the competition season may have completely changed or be finished by the next Wednesday evening. Members, who want to see their projects through to completion, need to show up to several meetings a week. Some students and mentors work late into the evenings and weekends as we get closer to our deadlines and the more students who are committed to help when they can, on the weekends will allow us to get more done on the robot and increase our odds of performing well. Students who spend a lot of time on robotics also find that their time spent is more fun and rewarding.

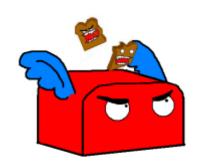
## ROBOTICS



## On December 14<sup>th</sup>, 2010.....











## Team 3641, The Flying Toasters

- FIRST Team 3641 is formed of a partnership between students and adult mentors. The team is structured so that students can learn real-life engineering, business and life skills by working side-by-side with adult mentors. Students are encouraged and expected to take on responsible tasks. Our goal is to build a sustainable team that provides an enriching experience for students and mentors, grows to be a world class team, and has a lot of fun doing this!
- Vision: To inspire, and intrigue, unite and achieve greatness!

# The Flying Toasters, TEAM 3641 Eight Seasons – 2011 thru 2018

- District Chairman's Award (5)
   Times
- District Finalists (4) Times
- District Winner (2)
- MSC Attendance (6) Times
- MSC Chairman's Award (1) Time
- MSC Finalists (1)
- World Championships (4) Times
- IRI (4) Times
- MARC Winner (2) Times
- Bloomfield Girls
  - Winner (1)
  - Finalist (1)

- Team Awards
  - Engineering Inspiration Award
     (2)
  - Rookie Inspiration Award
  - Imagery Award
  - Engineering Excellence Award (2)
  - Creativity Award (2)
  - Innovation in Control Award
  - Dean's List Finalist Award (2)
  - Quality Award
- IRI– Indianapolis, IN July 2018
- Personally Recognized by Gov. Snyder Several Times
- Top 50 teams most improved (Chief Delphi)

# The Flying Toasters Year – July 1<sup>st</sup> thru June 30th

## Flying Toaster Camp

- FORM THE TEAM
  - June thru September
- BUILD YOUR SKILLS
  - October thru December

## FIRST Robotics Competition

- USE YOUR SKILLS
  - January thru April
- WRAP-UP
  - May

## **Elibility**

- Be enrolled at South Lyon high school, South Lyon East high school, or live in the district yet attend International Academy West. Students who are homeschooled are not eligible.
- Maintain Academic Eligibility as per SLCS requirements.
- Follow the South Lyon Community Schools (SLCS) Code of Conduct and school handbooks.

- Have attendance greater than 75% to team meetings.
- Be current on your fees and sponsorship.
- Read the handbook and sign the contract at the end and turn it in.
- Participate in Mandatory events
- Be a member in good standing

### **TEAM Fees**

## Flying Toaster Camp June thru Dec

- \$250 Non-refundable
- Covers
  - Team Meetings
  - Events
  - Supplies/Materials
  - Outreaches
- \$50 Pay to Participate

## FIRST Robotics Competition (FRC)

- \$50,000 Annual Budget
  - \$20,000 Entry Fees
  - \$20,000 Material & Supplies
  - \$10,000 Travel & Misc. Costs
  - Individual Amount calculated by Sept 15<sup>th</sup>
  - Many Companies Support FIRST

## 2018 Sponsors

#### TEAM 3641 THE FLYING TOASTERS











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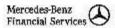










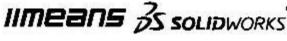
































Boyle Family \* Ginman Family \* Klemens Family \* Kokatam Family \* The O'Connor Family
In Loving Memory of Lynn Martin

## Sponsorship Guides



TEAM 364T The Flying Togsters

A UNIFIED HIGH SCHOOL ROBOTICS TEAM - SOUTH LYON, MIUSA

Building Bridges and STEAM-ing Ahead into a Better Future





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Student Sponsorship Guide

Donations can be made out and sent to:

South Lyon Robotics Attn: Ron Weber South Lyon EAST High School 52200 W Ten Mile Rd. South Lyon, MI 48178 9-Oct-2017 Sponsorship Presentation.

These are the documents used in our sponsorship presentation for team use.



Robotics Sponsor Family 2016\_2017.pdf



Robotics Business Sponsors 2016\_2017.pdf



SponsorshipGuidelines.pdf



Toaster Sponsorship Packet 2017-2017.pd



## **TEAM Communication**

#### Official Communication

- In Person at Required Monday Meetings.
- EMAIL
  - Primary Source of Team communication
  - Check your email atleast every day!
- TEAM WEBSITE
  - theflyingtoasters.org
  - Official Team Calendar
  - Team Documents
  - Team Initiatives
- BASECAMP
  - Whole team & Subgroups communicate what is going on.

#### **Unofficial Communication**

- TEXT Messaging
  - REMIND 101
  - Text @slro to 81010
    - Get your phones out right now, and text...
    - TO: 81010
    - MESSAGE: @slro

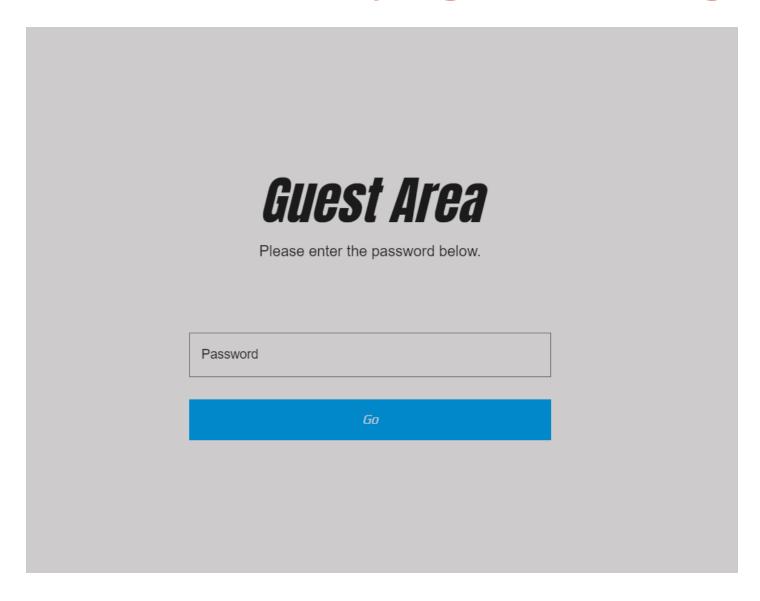
## **Team Communication**

- Students and Parents that wish to have their email added to the team's outgoing email list should email southlyonrobotics@gmail.com with the subject, 3641 Email List.
- Complete the contact database at: <a href="https://goo.gl/forms/bM2IAhbiwzwl3l3K3">https://goo.gl/forms/bM2IAhbiwzwl3l3K3</a>
- The Flying Toasters News page can be found at the following link:
- https://www.theflyingtoasters.org/bl og
- Basecamp is often used by students and mentors to communicate about tasks being completed by the team. Rules regarding basecamp, along with instructions on how to join, can be found at the following link: https://goo.gl/L3usGt
- Member Only page on website:
   <a href="https://www.theflyingtoasters.org/te">https://www.theflyingtoasters.org/te</a>
   am-resources

## Our Website – theflyingtoasters.org



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To inspire, and intrique, unite and achieve greatness!

#### TEAM 364T THE FLYING TO OSTERS

A Unified High School Robotics Team-South Lyon, MIUSA

Building Bridges and STEAM-ing Ahead int a Better Futur







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## New & Old Member Night - Monday, June 4th

May 7, 2018 | TEAM 3641

Our new member & next season team meeting with be on June 4th. Doors open at 6pm, with the parents & students meeting starting at 7pm. Sign-up will follow, so bring your email addresses (both for student & parent contacts). This meeting is for both New Members as well as returning veterans for the 2018-2019 season! Bring your calendars, as important dates will be released. Sponsorship, off season events, team fees, summer hours, how to use the website, due dates, etc. will be discussed.



#### Featured Posts

Game Manual is out! Got to the link below and download now! You will get the encryption key at the broadcast on Saturday. https://www.firs...

Game Manual available for Download!
January 4, 2018

#### Recent Posts

Air Force Association CyberCamp June 4, 2018



MARC is now 23-25th



#### Commitment

- We have found that in order to be a full contributing member of the robotics team, a member needs to commit to a minimum level of attendance. Students who do not meet a minimum time commitment will find it difficult to be involved on more than the most basic level. This is a team just like a sports team and commitment and practice is necessary for success.
- Attendance is recorded at the beginning of each mandatory team meeting. An absence will be considered "Excused" in the event of illness, religious holiday, family gathering/emergency, etc. when that information is communicated to the team's coaching staff prior to the scheduled meeting or team event. If a student wishes to participate at a competition, 75% attendance is required through the year.

#### **Attendance**

 As stated, we have found that in order to be a full contributing member, commitment and practice is necessary for success.
 Moreover, we have found that students do not read nor act on emails, so...

#### Monday Meetings from 6-9pm are REQUIRED

- Team communication
- Schedule for the week
- Team updates & Reviews
- Attendance taken at 6:05 pm

## Attendance at Competition

- Students are asked to attend as many competitions as possible. Attendance will be taken at the beginning of each day at a competition. Students who are absent from one or more days of competition without a demonstrated need will be asked to not participate in the award ceremony at the conclusion of that competition.
- Out of State Competition Attendance
  - In the event where the team is traveling a long distance to attend an out of state competition, students will be required to let the team coaches know of their attendance before the team leaves for its destination. Due to the nature of travelling long distances, it is not expected that all team members have the ability to travel; therefore, no penalty is given to students who don't attend.

## Leadership

- Students who commit to being leaders on the team find it to be very rewarding. Team leadership often spends time outside team meetings working on their leadership tasks and this extra commitment should be understood and taken into account when stepping into leadership roles.
- Because a high level of commitment from team members is required to learn how to contribute and perform well as a team, students who do not meet the member in good standing expectations will not be excused from school to attend competitions.

## Robotics outside of Meetings

 Typically, one cannot master a skill on just a training session alone. Time outside of robotics will be required for students to research, learn, and practice skills on their own.

## Academics, School & Studies

- Education is better than money in the bank; they can never take it away from you. Therefore, Academics, School, & Studies are very important. As the robotics competition season can become very time demanding, students are encouraged to develop ways to find a "balance". Learning this life skill is very important for success in their future.
- Students are to take care of schooling.
- It is without a doubt a good idea for students to tap other students in robotics for assistance & tutoring; We are all practically geniuses, right?

## **JUNE Meetings**

Monday	Tuesday	Wednesday	Thursday	Friday
4-Jun	5-Jun	6-Jun	7-Jun	8-Jun
Mandatory Communication Meeting		Competition Team Meeting		
11-Jun	12-Jun	13-Jun	14-Jun	15-Jun
Mandatory Communication Meeting		No Meeting - EXAMS		
18-Jun	19-Jun	20-Jun	21-Jun	22-Jun
Mandatory Communication Meeting		Competition Team Meeting		
25-Jun	26-Jun	27-Jun	28-Jun	29-Jun
Mandatory Communication Meeting		Competition Team Meeting		

# Flying Toasters Camp – Summer & Fall 2018

- IRI- Indianapolis, IN July 12-14th, 2018
- MARC Monroe, August 23-25<sup>th</sup>, 2018
- Kettering Flint, September 14-15<sup>th</sup>, 2018
- Bot Bash Midland, October 26<sup>th</sup>, 2018
- Bloomfield Girls Bloomfield Hills, November 10<sup>th</sup>, 2018
- Crumble Rumble, November 2018

# FIRST Robotics Competition Season – 2019

- Sponsorship
  - Veterans of 2017-2018 Season (Due Oct 1<sup>st</sup>)
  - New Members 2018-2019 (Due Dec 1<sup>st</sup>)
- Mandatory Meeting December 17<sup>th</sup>, 2018
- Kick-off January 5<sup>th</sup>, 2019

## **Safety**

The responsibility of safety lies with each and every member of The Flying Toasters. Each team member is required to abide by the safety practices of all mentor facilities.

Safety is the number one priority of The Flying Toasters. Almost all aspects of the project involve the use of tools and equipment that are potentially dangerous if not used properly. As a member of The Flying Toasters, you will need to understand that safety is your number one priority.

It should be understood that the Student Members of The Flying Toasters are viewed by the Mentor Team as young adults, acting much like employees of an organization. It is important to maintain a positive image to our community, sponsors and FIRST, and this begins with safety. All The Flying Toasters members must know and demonstrate safe and professional behavior wherever the team conducts its business. One-on-one contact between an adult and student should be avoided for the safety of both. Unless where an adult and student must work together one-on-one, they should be in the view of other adults and/or students.

## **SAFETY**



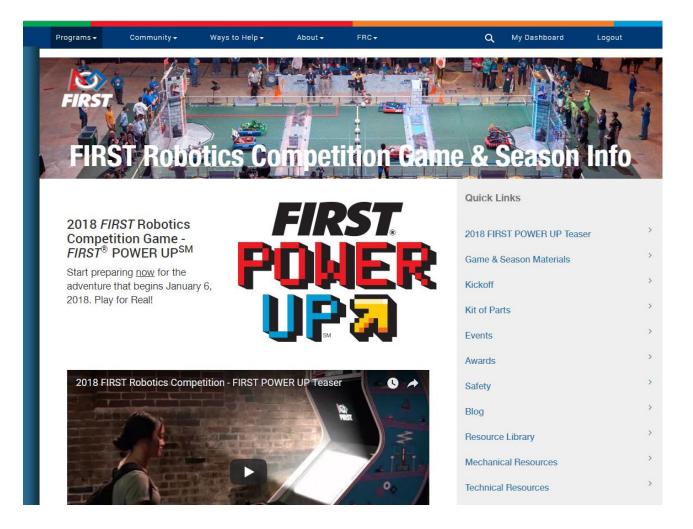




## **Safety,** is the primary concern at all times!

- We want each team member to go home in the same condition as when they arrived
  - Pants at all times during the school year
  - Closed toe shoes
  - No loose clothing or hair
  - <u>Safety Glasses</u> must be worn at all times in the workshop, machine shop, pits, arena, queuing, and generally around all robots.

Download
the Game &
Season
Manual so
that you can
learn the
rules



## Subgroups

- Robot Groups
- Outreach
- Competition Team
- Support
- Communication

### Subgroups - Robot Groups

- Computer Aided Design (CAD)
- Fabrication
- Electrical
- Software
- Special Teams

### Subgroups - Outreach

- FLL Crumble Rumble
- Demonstrations Events
- STEAM Classes
- Workshops
- STEAM Partnerships

#### Examples

- STEAM Classes
- Blessings in a Backpack
- Girl Scout Night
- Local Presentations
- Partnerships
- Elementary Science Fairs
- Meeting the Governor
- Many more on the horizon...

## Subgroups - Competition Team

- Drive Team
- Strategy/Scouting
- Chairman's
- Pit Crew
- Toaster Task Force

## Subgroups - Support

- Pit/Truck
- Safety
- Machining
- Field/Props
- Event Machine Shop
- Shipping/Recieving & bookkeeping

## Subgroups - Communication

- Website/Newsletters
- Video
- Media (includes Social Media)
- Basecamp
- News- Press Releases

#### **Behavior**

- Students are expected to be on their best behavior at all times all teammembers are representing The Flying Toasters, FIRST, South Lyon Community Schools, and all of our sponsors.
- Students must stay in the building or event area within the build. Permission from the coaching staff is needed to leave these areas.
- Students are expected to know what time & match number the team is competing in, changes in the schedule are not an excuse.
- Students are expected to be in the stands BEFORE our match starts and remain there till it is over.
- Do not bring cards, games, tablets, laptops, books, etc to the event site.

#### **Behavior**

- If you are asked to something or stop doing something by a Team Leader, Mentor, or Event Staff please comply without argument.
- Show some team spirit in the stands! Don't wait for someone to start a cheer, start one yourself, cheer for other teams too!
- Check out other teams robots and ask questions of other teams
- Safety glasses MUST be worn in the pits at all times. Please remember to bring your own pair.
- Our pit can get overcrowded quickly, please do not congregate around it blocking aisle ways. If you are asked to clear the area please do so
- The team will be staying at the event until everything we need to complete on the robot is done, this can be up to one hour after the last match is over, including the awards ceremony.
- Win or lose support your teammates and other teams, don't play the blame game

#### **Behavior**

- Do not trash talk about other teams or people for any reason
- Pass out buttons and other giveaways but remember a lot of hard work went into making them so don't go overboard
- If something comes up last minute and you won't be able to make it to the event, please leave a message with the coaching staff. If it occurs the morning of please contact a fellow student and have them let the coaching staff know.
- Unacceptable behavior will affect your ability to attend events in the future.
- Students may not drive themselves to and from events. If your parents are picking you up before the end of the event day, they need to notify the coaching staff ahead of time.

#### **Dress Code**

 Due to the nature of the program, safety is a primary concern when regarding a student's outfit. Students are required to come prepared to work in a variety of areas which present various hazards. As a guideline, students must wear closed toed shoes, individuals with long hair must come with a way to tie their hair back, and no sweaters with drawstrings are permitted. It is also required that students follow the dress code as it applies in the South Lyon Community Schools Student Code of Conduct.

#### **Event Dress Code**

• In maintaining team image, it is required for students to dress professionally. Students should make no alterations which drastically change the appearance of team shirts or other spirit wear. Some examples of alterations that are not permitted include, but are not limited to; cutting off sleeves, tying up shirt to expose midsection, tying up sleeves, and addition of writing or stickers. Students will be given several shirts which pertain to different days of the competition, and it is expected that students wear the appropriate shirt for the given day. Orange season recap shirts for Wednesday/Thursday, blue sponsor t-shirt for Friday, and blue polo shirt for Saturday.

#### Transportation & Travel Expectations

- Students WILL NOT drive students
- Recommended for students not to drive to events.
- Students MUST BE picked-up no more than 10 minutes after dismissal.
- On Saturday of competition, we can be done between 1pm and 6pm depending on how we do in eliminations – so plan accordingly.
- Students will not be dismissed at the conclusion of a competition until the pit has been packed up & loaded, team pictures taken, and awards ceremony has concluded.
- Students will display "Gracious Professionalism" at all times and promote the ideals of FIRST.
- Students will behave in a courteous and cooperative manner, especially when in public, visiting corporate offices, presenting to sponsors, and during outreach events and activities.
- Students will be respectful of others and behave in a way that does not endanger the health and safety of themselves or others.
- Students will be respectful of the facilities, tools, equipment and all things being used by the team.
- Students shall not use profane, obscene or vulgar language in written, gestured, or verbal form.

#### Transportation & Travel Expectations

- Students are Ambassadors for SLCS & Team 3641.
- Students will display "Gracious Professionalism" at all times and promote the ideals of FIRST.
- Students will behave in a courteous and cooperative manner, especially when in public, visiting corporate offices, presenting to sponsors, and during outreach events and activities.
- Students will be respectful of others and behave in a way that does not endanger the health and safety of themselves or others.
- Students will be respectful of the facilities, tools, equipment and all things being used by the team.
- Students shall not use profane, obscene or vulgar language in written, gestured, or verbal form.
- Students will not steal, deface, nor destroy property.
- Students will abide by the SLCS student handbook at all times when traveling.

### **TEAM Travel Permission Slip**

- Required to any off-site activities
- Highlights Main Events

#### South Lyon Community Schools Team 3641 "The Flying Toasters"

#### **Team Travel Permission Slip**

Dear Parent or Guardian,

Your son or daughter (

will be participating in SLCS FIRST Robotics Competition/Kickoff, a national creative engineering contest. The purpose of this program is to bring together schools and the nation's leading companies, in a united effort to introduce young minds to the world of science and technology.

Teaming up with personnel from the business world, our students will be getting an inside look at the engineering profession. They will design and construct a champion robot that will compete against other teams from around the country in tournaments complete with referees, cheerleaders, and time clocks.

Our season will at least consist of the following tentative events. Any changes or updates to the team schedule will be communicated well in advance of the event, in case additional approval is required.

Event	Location	Date
Kickoff	University of Michigan – Ann Arbor	1-7-2017
Strategy Mtg.	University of Michigan – Ann Arbor	1-8-2017

#### Photo/Video/Media Release Form

- Required to attend any meetings, events, etc.
- Waiver & release form.
- Must notify Mr. Weber in writing if this is a problem.

## Extracurricular Activity Transportation Consent Form For Off-Site Facilities

- Required to attend off-site activitites
- Covers All Activitites

#### **Volunteer Driver & Transportation Consent**

- Both Required to attend off-site activities
- Travel is not provided by the team, coaches, mentors.
- Travel is not arraigned by the team, coaches, mentors.
- Students are not allowed to drive other students to events.
- Recommended for students not to drive to events.

# South Lyon Community Schools Extracurricular Activity Transportation Consent Form For Off-Site Facilities Name of Student (Please Print) Name of Parent/Guardian (Please Print) Name of Parent (Please Print) Name of Parent (Please Print) Name

#### SOUTH LYON COMMUNITY SCHOOLS APPLICATION FOR PARENT DESIGNATED VOLUNTEER DRIVER I wish to assist the education of children in South Lyon Community Schools and therefore apply to become a volunteer driver to transport student(s) in a non-school owned vehicle to/from a school related event and as authorized by that student's parent/legal guardian. In return for authorizing my status as a parent designated volunteer driver, I make the following representations and commitments: Date of Birth Operator's License No. License Expiration Date Vehicle/Make/Model/Year Vehicle Owner 1. I have / have not (circle one) been convicted of an alcohol/drug related driving violation in the past 10 years. 2. I currently have \_\_\_\_\_ points on my driving record for \_\_\_ 3. I will promptly report to the school principal any of the following which may occur after the application date. a. Motor vehicle accident (regardless of whether the accident occurs while I am volunteer driving), b. Suspension/revocation of my operator's license, c. Change in the status of my motor vehicle insurance status, and