

Truck Town Thunder Robotics Team 68



F.I.R.S.T.
Brandon High School
Robotics Team



Agenda

- Welcome
- Safety
- Team Org
- Communications
- Code of conduct
- Community service and Partnerships
- Build Season Schedule
- Close



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Safety

is the Primary Concern
at ALL Times!!

We want each team member to go home in the
same condition as when they arrived.



Mandatory Dress Code

- Pants at all times during the school year
- Closed toe shoes
- No loose clothing or hair
- Safety Glasses at all times in the shop
- Competitions:
 - Students are expected to wear team uniform at all times



Questions so far?



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Advisors

Dave Smith – Lead Engineer - 20 Years

Gary Fenn – Engineering, Elec/Programming, shop - 13 years

Dave Ritenburgh – Shop, build – 1st year as advisor / 5+ as parent/mentor



Mentoring

Professional Mentors

Jason Bobel - Awards

Katie Dubiel - Media

Joe Dubiel – Shop

Matt Eckert – Programming/ Project
Management

Tim Flickinger –
Electrical/Scouting/Strategy

Joe Dubiel – Safety

Harry Levers – CAD

Mark Ratliff – Scouting and Drive Coach

Parent Support

Dawn Levers– Meal coordination

Sara Ault – Uniforms

Yang Lee– Travel coordinator

Jason Bobel – Accommodations

Webmaster – Mark Ratliff



Sub Team Organization/Training

- Sub-Team Assignments
 - Technical: Chassis, Electrical, Manipulators, Etc.
 - Managerial: Awards, Website, Media, Entrepreneurship, Etc

Truck Town Thunder Build Season Organizational Structure

Engineering Structure							Design Integration	Management/Public Relations			
Lead Engineer Dave Smith								Team Leader Gary Fenn			
	Chassis Drivetrain	Manipulator 1	Manipulator 2	Manipulator 3	Electrical	Programming	Awards Entrepreneurship	Media Website	Health & Safety	Scouting Strategy	
Project Managers	Trevor Nordling										
Design and CAD Coordinator	TBD										
Student Leaders	Nick Ratliff	Antonio Pittiglio	Josh Dubiel	Robbie Dehaan	Jake Baker	Cody Davis	Trevor Nordling	Olivia Levers	Nicole Vrabel	Nathan Lee	Tyler Sitko
Protege											
Subteam Members	Katie Ault	Jimmy Battaglia	Tyler Sitko	Olivia Levers	Nathan Lee Nicole Vrabel	AJ Basirrico Connor Shelton Nyles Yan	Antonio Pittiglio Nick Ratliff Josh Dubiel Robbie Dehaan Jake Baker Cody Davis Zach Bobel ***	Jimmy Battaglia Robbie Dehaan Jake Baker	Antonio Pittiglio Zach Bobel	Katie Ault Connor Shelton Josh Dubiel	AJ Basirrico Nick Ratliff Cody Davis Nyles Yan
CAW											
Zach Bobel											
Advisors	Dave Ritenburgh	Gary Fenn	Gary Fenn	Gary Fenn	Gary Fenn	Gary Fenn	David Smith	Gary Fenn	Gary Fenn	Gary Fenn	Gary Fenn
Mentors	Harry Levers	Harry Levers	Harry Levers	Harry Levers	Tim Flickinger	Matt Eckert	TBD	Jason Bobel	Katie Dubiel	Joe Dubiel	Tim Flickinger / Mark Ratliff



Parent/Robotics Organization (PRO)

- Travel Arrangements
- Accommodation Arrangements
- Fundraising Coordination
- Team Spirit
- Banquet Arrangements/Coordination
- Team Building Activities
- Meal Coordination
- Camp Coordination
- Youth Program Coordination



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Team Communication

Official Communications

- Email
 - Primary Source of Team Communication
 - Insures everyone received information
- Slack
 - Team Documents *
 - Sub-Team Communications
- Team Website
 - Official Team Calendar
 - Team Initiatives

Unofficial Communications

- Facebook
 - Competition Updates
 - Robotics Related Posts
- Remind App
 - Text messages and/or emails
- Twitter
 - Competition Updates
- YouTube Channel
 - Competition Updates
 - Team Media



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Code of Conduct

Student Expectations

- Be Respectful
- Student Recruitment
- Team Building
- Student Leadership
- Spreading the word of FIRST
- Giving back to FIRST as an alumni
- Positive Attitude
- Being Responsible

Student Responsibilities

- Maintain a 75% in all classes
 - Grade checks due **BEFORE** start of meeting they are due!
- Promptness and Attendance
 - On time = Late
- Turkey Leg shifts
- Fundraisers/Sponsorships
- Meet Deadlines
- Follow Guidelines on Community Service
- Check Email **Daily**



Attendance

- It is expected that team members attend AND PARTICIPATE in every full team meeting.
- Planned absences/tardies/early departures must use the excused absence form: <https://docs.google.com/document/d/1-ADsOwFrvKgxfjrFq42vcUzH0bWYhDR9BSTGm2KGsg/edit>
 - Also available in Slack.
- If you are going to miss a meeting because of an emergency such as illness, you - the student - must contact Mr. Fenn via:
 - Slack (preferred),
 - Text or phone call (586-623-2879) or
 - eMail.
 - Be prepared to explain the absence.
- Both excused and unexcused absences will be recorded.



Some Grade Check Clarifications

- Grade checks are required periodically. Grade checks may be:
 - Report cards
 - T3 form
 - Some may be Portal review
 - This will be noted in the reminders for the grade check.
- Grade checks are due at the beginning of the meeting on the due date. Illness is the **ONLY** exception



Some Grade Check Clarifications (Cont)

- Grade checks not turned in result in assumed “not to standards”
- “Grade Standard”: C or better, no “bump” for AP classes
- Blank grades will be treated as not meeting standards
- “Not meeting standards” – student has 2 weeks to get grades up to standard



Some Grade Check Clarifications (Cont)

- After 2 weeks, if still not up to standards, Probation
 - During probation, attendance at full team meetings is expected
 - Excused absences will be granted to focus on studying, but normal Excused Absence process
 - A student on probation should NOT attend any optional (“build session”) meetings.
 - Probation means you are removed from any comp teams or similar (e.g. presentation).



Some Grade Check Clarifications (Cont)

- Probation lasts approximately 2 weeks
 - During this time the student is expected to work to get the grade in question up to standards (C or better) WITHOUT causing another grade to drop.
 - At the end of probation or before, a new grade check (paper T3 form) must be submitted.



Some Grade Check Clarifications (Cont)

- If, after 2 weeks of probation, grades do not meet standards, Leave of Absence
 - When on Leave of absence – student cannot attend any meetings.
 - When on Probation or leave of absence – can NOT travel with the team to competitions.
 - When on probation or leave of absence, student can attend non-school day competitions to cheer team on - following dress code and behavior expectations - but may not participate as a member of the team (i.e. no assignments).



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Community Service Hours

- 20 Hours
- 75% (15) of hours must be a team community service project
 - Adopt – A – Road
 - Bloomfield Hills All-Girls Competition (Setup and concessions)
 - Mid Michigan Robotics Alliance Events
 - Kettering Kickoff – Concession Stand
 - Mentor FTC/FLL/Jr. FLL Teams
 - Others that arise
- **Hours due prior to Winter Break**

Can continue through Winter Break



Expenses

- Some of our larger expenses
 - \$15,000 Registration Costs
 - \$11,250 for Robot Material, Parts, Etc. and shop supplies
 - \$5,500 in Travel/ Accommodation Costs
 - \$6500 Public Relations, including Uniforms, Buttons, Brochures, Posters, Etc.
 - \$5000 Scholarships

Last year we did NOT spend all of the budgeted travel costs (\$20,000) – budget reduced based on that



Revenue

- \$19,500 – Turkey Legs
- \$19,000 – General Motors
- \$3,676 – FCA
- \$3000 – Denso
- \$1000 - Delphi
- \$12,000 MDE Grants (Not Confirmed for 2018-2019)
 - Some support FTC and FLL teams
- \$9,000 – (Expected) Fundraisers & smaller Partnerships



General Motors Corporation

- Registration = \$5000
 - 2 District Events
- GM Grant = \$5,000
- State Champ = \$4000
- World Champ = \$5000
- **Total = \$19,000**



Other Major Sponsors

- FCA: \$3676
- Denso: \$3000
- Delphi: \$TBD
- ThyssenKrupp: \$TBD



Partnership Drive

Student Fundraiser

- **Partnership Drive**
 - Target is for each student to achieve \$455 minimum
 - Intention is for students to help “self fund” the team, but also expose them to “selling their idea”
- Additional options: Restaurant Night, Can Drives, Pancake Breakfasts, Bueche’s Receipts
- September 13, 2018 – December 20, 2018

Can continue through Winter Break



Team Scholarship Program

- \$250 per year on team
- Must graduate while on team
- New this year: Must meet attendance, turkey shifts, fundraiser, robot build, fundraiser and community service
- Reimbursement
 - Books and Supplies



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T3 - The Build Cycle

- January 5, 2019 – Official FIRST Kickoff
- First Saturday
- Location: **Brandon ITEC Center**
- Broadcasted on NASA Channel
- Tentative Agenda
 - Gathering, Kickoff - 9am – 12pm
 - Lunch - 12pm-1pm
 - Rules Analysis/ Kit Inventory/ Strategizing - 1pm-5pm



T3 - The Build Cycle Cont.

- **First Week**

- Full team meetings every night the first week
- Strategy Decisions, Design Decisions, Prototyping
- Monday to continue brainstorming, sorting parts

- **2nd week until ship date**

- We will have Full Team meetings Tuesday, Thursday and Saturday Through Competition Season (5-9pm)
 - Calendar will be posted online
- Build Sessions Monday, Wednesday, and Friday (6-9pm)
 - Team Member must attend 2 out of 3 each week
 - Based on Sub-team Assignments
 - Stay Tuned to some small adjustments to attendance policy this year



“Full Team” Meetings

- First week:
 - 5-9 PM Monday through Friday
 - Meal to start the meeting
 - 9 AM to 5 PM Saturday
 - Lunch meal
- Remainder of Build season
 - Full Team meetings are Tuesday and Thursday (5-9 PM) and 9 AM to 5 PM Saturday
 - Meals
 - Study session in Mrs. Bandlow’s classroom on these nights



“Build” Meetings

- Remainder of Build season
 - Monday, Wednesday, Friday
 - 6 PM to 9 PM
 - No meal!



Meals?

- Sign Up Genius:
<https://www.signupgenius.com/go/508094bafae23abfb6-january1>
- Mrs. Levers and others can offer suggestions



2019 Competition Schedule

- **Michigan Districts**
 - **Gull Lake**
 - Richland, Michigan
 - March 14-16
 - Overnight Trip!
 - Student Activities Absence for Friday classes
 - **Gull Lake**
 - Troy, Michigan
 - March 28-30
 - Student Activities Absence for Friday morning (PM is ½ day)
 - **May try for 3rd District**



Typical District Competition Schedule

- Pit Setup Thursday Nights
 - “Competition Team” only – Pit crew, drive team, Safety Captain, and Chief Strategist
- Compete Friday and Saturday
 - Full team
 - Scouting shifts
 - Pit crew rotation
- Student Activities Absence for Friday classes



2019 Competition Schedule

- **Michigan State Championships/Regional**
 - Must Qualify to attend
 - Saginaw Valley State University
 - April 10-13, 2019
- **World Championships**
 - Must Qualify to attend
 - Detroit MI – Cobo and Ford Field
 - Apr 24 - Apr 27, 2019



Truck Town Thunder Robotics

- Administrative Items
 - STIMS
 - Student Medical Form
 - Parent Transportation Form



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Closing

- Please feel free to contact Gary:

gary.r.fenn@gm.com

586-623-2879

248-214-8574

- Finally...

- We close our meetings a certain way... who's taking us out?

