



TEAM 3176

Parents Meeting – Pre-Competition
26 February 2018



Agenda

- Build Season Summary
- Competition Season Schedules
- Team Uniform
- Financial Update
- Forms / Registration
- White Papers
- Questions & Answers
- Robot tour in D104 (*informal*)

Build Season

- Video summaries published weekly
- More use of CAD *before* fab & assy
 - Several design iterations before cutting metal
 - Recognized skill gap in multi-user assemblies – capturing learning
- **Swerve** drive v2.0! – complex drive system
- Investment in *re-usable* components
 - Most of Robot Hardware / Inventory budget is usable on future robots (e.g., Talons, encoders, gears, NavX)
- Building **TWO** robots
 - Test out design concepts on “practice” robot
 - Refine for “competition” robot





Competition Schedule

District Competitions (2 of 3)

✔ 10-11 March (Penn HS, Mishawaka)

24-25 March (Plainfield HS)

✔ 30-31 March (Harrison HS, W. Lafayette)

Indiana State Championship

13-14 April (Kokomo Memorial Gym)

- Need to qualify to compete (Top 32)
- *Events are all FREE to the public!*
- *Competitions are usually streamed*





Field Trip Guidelines

General Rules

- Please remember BHS Code of Conduct and Team 3176 Student Handbook still apply, and please represent Team 3176 professionally
- These can be LONG days - stay in groups of 3 or more if you need to leave the stands briefly
- If students have any issues, please find one of the club co-sponsors or other adult mentor

Parking!!! – Due to BHS construction, DO NOT park by Door 7. Students should use their regular lots.



Travel Logistics

Getting to / from Penn High School

- BCSC school bus leaving early Saturday morning
 - Some students will go up Friday afternoon (drive / pit)
- Returning late Sunday evening

Hotel

- Holiday Inn Express – Elkhart South
- 4 students / room – Rooms will be assigned
- 2 adults / room
- Not a lot of time will be spent at the hotel



St. Joseph Event Schedule

- **March 10 & 11 (Penn HS, Mishawaka, IN)**
- <https://www.indianafirst.org/2018StJoseph>

Saturday, March 10

4:50 AM – Students arrive at BHS

8:00 AM - 10:30 AM Pits Open & Practice

10:30 AM - 11:00 AM Opening Ceremonies

11:00 AM - 1:00 PM Qualification Matches

1:00 PM - 2:00 PM Lunch Break

2:00 PM - 7:00 PM Qualification Matches

8:00 PM Pits Close

8:30 PM – Team Dinner

9:30 PM – Arrive at Hotel

~10:15PM – Lights Out

Sunday, March 11

~6:00 AM – Wake Up / Breakfast

8:00 AM Pits Open

9:00 AM - 9:30 AM Opening Ceremonies

9:30 AM - 12:30 PM Qual Matches

12:30 PM - 1:00 PM Alliance Selections

1:00 PM - 2:00 PM Lunch Break

2:00 PM - 5:00 PM Playoff Rounds

5:00 PM - 6:30 PM Awards Ceremony

7:00 PM Pits Close

~10:00 PM – Approx. Return to BHS



Tippecanoe Event Schedule

- **March 30 & 31 (Harrison HS, West Lafayette)**
- <https://www.indianafirst.org/2018Tippecanoe>

Friday, March 30

~6:30 AM – Students arrive at BHS

8:00 AM - 10:30 AM Pits Open & Practice

10:30 AM - 11:00 AM Opening Ceremonies

11:00 AM - 1:00 PM Qualification Matches

1:00 PM - 2:00 PM Lunch Break

2:00 PM - 7:00 PM Qualification Matches

8:00 PM Pits Close

9:00 PM – Approx. Return to BHS

Saturday, March 31

6:30 AM – Students arrive at BHS

8:00 AM Pits Open

9:00 AM - 9:30 AM Opening Ceremonies

9:30 AM - 12:30 PM Qual Matches

12:30 PM - 1:00 PM Alliance Selections

1:00 PM - 2:00 PM Lunch Break

2:00 PM - 5:00 PM Play-off Rounds

5:00 PM - 6:30 PM Awards Ceremony

7:00 PM Pits Close

8:00 PM – Approx. Return to BHS



State Championship Event

- **April 13 & 14 (Kokomo Memorial Gym)**
- <https://www.indianafirst.org/pages/team-information/>
- **Team would need to qualify for State Championship**
- We have in 2015, 2016, & (barely) 2017
 - Top 32 robots in the state (out of ~50)
- Requires missing Friday school day



Food Arrangements

- Lunches will be coordinated by the team this season
 - Team has grown to make volunteer food too complex
- Concessions will also be available throughout the day for spectators
- Students should pack snacks as needed

- St. Joseph trip specifics
 - Early long bus ride – students may want to pack addl food
 - Dinner will be most likely fast-food restaurants
 - Breakfast will be provided at hotel

Team Uniforms

- This year the team has established a team uniform that can be used for all the years a student is on the team
- More durable shirt than standard T-shirt
- All students will receive two shirts for the 2-day competitions
- Students will need to take care of the jerseys or purchase a new one





Budget Status

Income	Budget	Actual	Difference
Student Fees	\$15,000	\$17,600	\$2,600
Corporate Sponsors	\$10,000	\$16,050	\$6,050
Donations	\$1,200	\$120	(\$1,080)
Foodie	\$250	\$0	(\$250)
Total	\$26,450	\$33,770	\$7,320

Expenses	Budget	Actual	Difference
Match Registration	\$9,350	\$5,350	\$4,000
Transportation	\$7,000	\$1,413	\$5,587
Robot	\$4,500	\$5,552	(\$1,052)
Marketing	\$1,000	\$537	\$463
Team Uniform	\$2,500	\$3,800	(\$1,300)
Inventory/Tools	\$2,000	\$2,424	(\$424)
Website	\$100	\$0	\$100
Total	\$26,450	\$19,076	\$7,374

- Sponsorship visits paid off – exceeded target by +60%
- Income already in, expense still to come
- Overall, the team is in a very solid financial state

Thank you 2018 Sponsors!

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Forms, Forms, Forms...

- For students to attend the competition events, they will have needed to complete:
 - **Handbook forms (incl Field trip form)**
 - **Registered on-line with FIRST**
 - Parent account if under 18



- **IndianaFIRST Consent / Release form**



White Papers

- The team has had a history of re-inventing and re-learning a lot of knowledge
- Documenting helps both the team and the students
- **This year we added two (2) white papers to be able to travel with the team**
- Helpful guidance on the white papers:
 - Keep the topic simple and easy for future team members to read
 - A paper can have multiple authors as long as each author is contributing
 - More in-depth white papers may be evaluated by the co-sponsors to count as two
 - The papers should be emailed into this team e-mail address (as PDF files if possible)



Contact Info

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Team Website

<http://team3176purpleprecision.weebly.com/>

Remind Code

@frc3176

Twitter

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Club Co-Sponsors

Nathan Heidegger & Dawn Mayer

Thank you!

