



**Team 3482  
Arrowbotics**



# SYSTEM DESIGN

## How Is The Game Played? (Understand the Game)

### Offense

- 1.
- 2.
- 3.
- 4.

### Defense

- 1.
- 2.
- 3.
- 4.

## How Should Westmont Play in An Alliance? (Strategy)

Priority 1

Priority 2

Priority 3

## How Should the Robot Play The Game? (Tactics)

Requirement 1- Speed?

Requirement 2- Maneuverability?

Requirement 3- ?

Requirement 4- ?

Requirement 5- ?

## What Robot Concepts Meet Requirements? (Design)

1. Chassis
2. Wheels
3. Gearbox
4. Manipulator (subassy) 1
5. Manipulator (subassy) 2
- 6.
- 7.



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# This Weekend- Friday through Sunday:

**Early Documents: 2017 Game-Specific Content:** Encrypted versions of *FIRST STEAMWORKS*-specific content have been posted to the *FIRST* website. Some of it is open, but other items are encrypted because they contain information specific to the 2017 challenge. You're welcome to download these files now so you have them on hand as soon as the encryption code is revealed at the end of the Kickoff broadcast (this Saturday!). This way, you don't have to rely on having to access all of the documentation from the *FIRST* website as soon as the game is revealed. Unencrypted versions will be posted soon after Kickoff. As of today, the following resources are now available for downloading (ENCRYPTED until Kickoff) at: <http://www.firstinspires.org/resource-library/frc/competition-manual-qa-system>

### FOUNDER'S Reception

**Back by popular demand- Live Broadcast from Founder's Reception:** The Founder's Reception is a night for *FIRST* to thank and celebrate our amazing mentors, hosted by *FIRST* Founder Dean Kamen at his home. Since many mentors never get to experience this event first hand, we're once again bringing the event to you! On Friday, January 6<sup>th</sup> at 7:00 pm Eastern Time, the *FIRST* community can tune into a live broadcast from the Founder's Reception! Hear from veteran and rookie mentors about their expectations for the upcoming season and *FIRST* sponsors about why it's important for them to be involved. There will be special "last night before Kickoff" interviews with *FIRST* staff and supporters, and we will announce a present that will be included in the Kit of Parts for all 2017 Teams!

**Tune in to the broadcast here:** [http://streamingmeeting.com/webcast/2017\\_first\\_founders/](http://streamingmeeting.com/webcast/2017_first_founders/)

### 2017 FRC KICK OFF

**Join us as we reveal details about the 2017 *FIRST STEAMWORKS*<sup>SM</sup> game at the 2017 *FIRST* Robotics Competition Kickoff!** The Kickoff broadcast will run from 10:00 am- 12:00 pm Eastern Time on Saturday, January 7<sup>th</sup>. A link to the broadcast (provided by Kickoff Sponsor Comcast NBCUniversal) will be available here: <http://www.firstinspires.org/robotics/frc/kickoff> prior to the event

### Kit of Parts (KOP)

**Delivered to Team at KICKOFF:** We WILL conduct an Inventory of KOP and stock to ensure good control and awareness of resources.

### Robot in 3 Days

**Watch 8 teams in speed design of robot and get creative ideas:**

<https://www.youtube.com/user/robotin3days> or <https://www.facebook.com/robotin3days>

### System Design (step by step development process)

**Sunday Concept Design Review of Team Robot:** We will follow below process to get and review Robot Concept.

