

The One Page Build Season

Team 1718: The Fighting Pi
www.fightingpi.org

Week 1

Build field
Modify or build cart
Purchase game pieces
Learn game rules
Develop strategies & counter strategies
Check Chief Delphi and USFirst Q&A
Determine how to function as a team
Select final strategy
Brainstorm robot characteristics
Weighted objective table to narrow choices
Autonomous programming with kitbot chassis
Teleop programming with kitbot chassis
Concept freeze
Order materials for chassis

Week 2

Prototype manipulators
Controls work:
Controls board laid out
Begin build of controls board
Chassis design completed

Week 3

Compare prototypes
Build chassis
Assemble drivetrain to chassis
Freeze object manipulator design
Complete controls board

Week 4

Competition Robot
Drive System Assembly
Controls assembly
Test Drive System
Design guarding and bumpers
Practice Robot
Order all materials for second robot
Build controls board

Week 5 - Continue on both bots

Competition robot
Complete manipulator tweaks
Test teleoperated code
Test autonomous code
Begin driver training
Practice Robot
Build second manipulator
Build chassis and drive train

Week 6 - Drive practice and programming

Competition Robot
Final Programming
Driver Practice
Bag Robot
Practice Robot
Complete assembly of bot
Test practice bot

The build season doesn't end just because your first robot is bagged!

Post Bag

Train drivers on second robot
Finish scouting system
Judge Packets
Safety Packets
Pit presentations
Watch streaming of other events

Please note, that this does not contain all the deadlines, awards, and other information for the season. Make sure to read the rules and understand FIRST's deadlines for any given year.