

Pre-work
Handouts - schedule, code of conduct
Divide new members into 4-5 teams

Materials needed
Name tags & sharpies
Straws (box of 400)
Masking Tape
Paper clips
paper (from Steuf's room)
scissors
measuring tape
basketball

Agenda	Lead	Notes	Link
Arrival	Predmore	fill out name tags (identify which group they are in)	
Introductions	Predmore	Pair up; Introduce other to team; Questions: # siblings, common thread, true/false statement	
STIMS	B. Witcpalek	Move to Rm 308; fill out STIMS	
Yr1 Overview	Stone	High level overview of schedule and code of conduct. (handouts)	2016 Team 302 Yr1 Program Kick Off handout
Team Building Exercise	Predmore	Split into teams for activity	Team Build Exercise - Basketball structure
Pictures/Bios	Grant	as available during the meeting	
Closing	Predmore	Announcements; Q&A	

Pre-work
get last years Yr1 robots working
prepare basic robot safety guidelines

Materials needed
Name tags & sharpies
Yr1 Robots
AAA batteries (for joysticks)
Black & white duct tape
ping pong balls
ping pong targets

Agenda	Lead	Notes	Link
Arrival	Predmore	fill out name tags (identify which group they are in); collect signed forms	
Introductions	Predmore	introduce varsity students helping out	
Ping Pong Pandemonium Game	Stone	review game rules	Ping Pong Pandemonium Rules v6 2016 season
Review basic robot safety	Grant		
Drive robots	All	Teams take turns driving last years robots. Varsity team members assist with set up and driving tips	Joystick Mapping
Pictures/Bios	Grant	as available during the meeting	
Closing	Predmore	Lessons learned; Anouncements; Q&A	

Pre-work
prepare last years Yr1 robots
update ping pong game rules
create competition matrix
set up competition field

Materials needed
Name tags & sharpies
Yr1 Robots
AAA batteries (for joysticks)
Black & white duct tape
ping pong balls
ping pong targets

Agenda	Lead	Notes	Link
Arrival	Predmore	fill out name tags (identify which group they are in); collect signed forms	
Introductions	Predmore	introduce varsity students helping out	
Ping Pong Pandemonium Game Strategy	JP		Team 302 Game Strategy
Review basic robot safety & setup	Predmore		
Drive robots	All	practice robot competition	
Closing	Predmore	Lessons learned; Anouncements; Q&A	

Pre-work
prepare last years Yr1 robots
update ping pong game rules
plan system tests
check competition field is okay

Materials needed
Yr1 Robots
AAA batteries (for joysticks)
Black & white duct tape
ping pong balls
ping pong targets

Agenda	Lead	Notes	Link
Arrival	Predmore	collect signed forms	
Introductions	Predmore	introduce varsity students helping out	
Game Rule Changes	Stone		
System Engineering Intro	Predmore		Intro to Systems Engineering
Robot Testing	All	evaluate robots shooters and line trackers	
Closing	Predmore	Lessons learned; Anouncements; Q&A	

Pre-work
prepare last years Yr1 robots
update ping pong game rules
create competition matrix
check competition field

Materials needed
Yr1 Robots
AAA batteries (for joysticks)
Black & white duct tape
ping pong balls
ping pong targets

Agenda	Lead	Notes	Link
Arrival	Predmore	collect signed forms	
Introductions	Predmore	introduce varsity students helping out	
Game Rule Changes	Stone		Ping Pong Pandemonium Rules V8
Robot Competition	All		
Robot Selection	All	Use Pugh Matrix	
Closing	Predmore	Lessons learned; Anouncements; Q&A	

Pre-work
Training Plans

Materials needed

Agenda	Lead	Notes	Link
Arrival	Predmore	collect signed forms	
Introductions	Predmore	introduce varsity students and mentors helping out	
Round Robin Training	Mentors	see Round Robin Matrix tab	
Closing	Predmore	Lessons learned; Announcements; Q&A	

Pre-work
Training Plans

Materials needed

Agenda	Lead	Notes	Link
Arrival	Predmore	collect signed forms	
Introductions	Predmore	introduce varsity students and mentors helping out	
Round Robin Training	Mentors	see Round Robin Matrix tab	
Closing	Predmore	Lessons learned; Announcements; Q&A	

Pre-work
Training Plans
create rank order forms

Materials needed

Agenda	Lead	Notes	Link
Arrival	Predmore	collect signed forms	
Introductions	Predmore	introduce varsity students and mentors helping out	
Round Robin Training	Mentors	see Round Robin Matrix tab	
Sub-Team Selections	Predmore/ Stone	students rank their preferences	
Closing	Predmore	Lessons learned; Anouncements; Q&A	

Pre-work
Systems Engineering Training
Project Timeline

Materials needed

Agenda	Lead	Notes	Link
Arrival	Predmore	collect signed forms	
Introductions	Predmore	introduce varsity students and mentors helping out	
Project Plan	Stone	schedule of remaining sessions	
System Engineering Training	Predmore	Requirements	Systems Engineering Training Module
Anounce new teams	Predmore	CAD, Elec, Fab, Software	
Requirements Breakout	Predmore/ Stone	Electrical/SW - Context Diag Fab/CAD - Chassis selection	
Closing	Predmore	Lessons learned; Announcements; Q&A	

Mentors:

Bruce Stone, Jeff Berndt, Keith Cook	Fabrication
Ken Dudek, Chris	CAD
Bob Lawson, Mike Pysklo	Electrical
Joe Witcpalek, Mark Hoover	Software

Round Robin Training Matrix			Tuesday 11/1		Thursday 11/3		Tuesday 11/8	
Topic / Activity	Mentors	Student Mentors	1st hour	2nd hour	1st hour	2nd hour	1st hour	2nd hour
Robot Parts Tool Basics	Dave Predmore	Jessie	Group A	Group B	---	---	Group C	Group D
Design/Prototyping Project	Bruce Stone	Jeff	Group D	Group A	---	---	Group B	Group C
Software Basics Coding Fundamentals	Joe Witcpalek Mark Hoover	Eric	Group C	Group D	---	---	Group A	Group B
Electrical Hands on training	Dan McNeal	Jared	Group B	Group C	---	---	Group D	Group A
Project Management Training Exercises	Alex Christiansen	Max	---	---	All: Project Management	All: CAD	---	---
CAD Sketching Project	Tim Lawrence	Vlad	---	---			---	---
Mentor Training	JP Christiansen	---	Group A&B Parents		Group C&D Parents		Alternative Night Parents	

