

15 Weeks of “Hard Fun” – Sample First Lego League Schedule and Goals for Western PA Teams

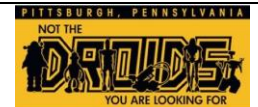
Week	Core Values	Robot Game	Research Project
Pre-Season	<ul style="list-style-type: none"> Get team members Look at other team videos for inspiration Pick a team name Do a Core Values activity 	<ul style="list-style-type: none"> Build field set up kit and set up field as best you can 	<ul style="list-style-type: none"> Discuss what the project topic might be about Watch project teaser video
Week 1: Sept	<ul style="list-style-type: none"> Go over challenge release documents Set up team goals (How many missions will be do? How many hours do we want to meet?) Pick roles 	<ul style="list-style-type: none"> Set up mission models on field Come up with strategies for completing the missions – which missions, which order Give each person a picture of the field and have them draw out their robot runs 	<ul style="list-style-type: none"> Discuss different topics your team might like to pick and each teammate picks a topic they want to research more about
Week 2:	<ul style="list-style-type: none"> Check for Robot and Project Updates Do a Core Values activity 	<ul style="list-style-type: none"> Continue discussion about strategy and finalize robot runs based on your goals (this may change over time) Build base robots – having more than one to pick from is a good idea 	<ul style="list-style-type: none"> Share your ideas to convince team to work on that topic. Team should pick a topic Decide on the question your team will research this year and split up work
Week 3:	<ul style="list-style-type: none"> Check for Robot and Project Updates 	<ul style="list-style-type: none"> Build base robots and continue to test – Does it move straight? Will it tip over if you add an attachment? 	<ul style="list-style-type: none"> Share research findings Determine experts you might wish to talk to and tell your mentor
Week 4:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Do a Core Values activity 	<ul style="list-style-type: none"> Go through pros and cons of designs. Team should pick a base robot they want to use for the season 	<ul style="list-style-type: none"> Discuss research findings so far – existing information
Week 5: Oct	<ul style="list-style-type: none"> Check for Robot Game and Project updates 	<ul style="list-style-type: none"> Split up missions and pick what you want to work on Remember to save and backup project files each day Remember to charge your robot each day 	<ul style="list-style-type: none"> Talk to some experts Go on a field trip
Week 6:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Do a Core Value activity (A game? Reach out to another team?) 	<ul style="list-style-type: none"> Continue to work on the missions. Switch jobs if you want to (try out new skills or work with someone new) 	<ul style="list-style-type: none"> Research some existing solutions Follow up on information given to you by the experts

Red indicates important milestone

Modified by Droids Robotics (Not the Droids You Are Looking For).

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Week	Core Values	Robot Game	Research Project
Week7:	<ul style="list-style-type: none"> Check for Robot Game and Project updates 	<ul style="list-style-type: none"> Keep working on robot design – programming and hardware. Can you make any improvements? 	<ul style="list-style-type: none"> Put together your research information – make a team poster board if you like
Week8:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Do a Core Value activity 	<ul style="list-style-type: none"> Keep working on robot design – programming and hardware. Can you make any improvements? 	<ul style="list-style-type: none"> Share idea and solution
Week 9: Nov	<ul style="list-style-type: none"> Check for Robot Game and Project updates 	<ul style="list-style-type: none"> If you accomplished your goals, do you want to add some new missions? 	<ul style="list-style-type: none"> Share idea and solution
Week 10:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Do a Core Value activity Plan Core Value Poster and Core Value Presentation (if required) 	<ul style="list-style-type: none"> Keep working on robot design – programming and hardware. Do you have a good mission order? Create a RDES presentation (if required) 	<ul style="list-style-type: none"> Decide on presentation style – song, video, ad, game show, skit Write it, make visual aids, etc.
Week 11:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Continue Core Values Poster (if required) 	<ul style="list-style-type: none"> Continue working on the robot game Create a RDES presentation (if required) 	<ul style="list-style-type: none"> Continue research presentation and assign roles
Week 12:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Complete Core Values Poster (if required) 	<ul style="list-style-type: none"> Complete RDES presentation (if required) Who will do the robot runs for the teams? What pairing of kids? 	<ul style="list-style-type: none"> Complete research presentation
Week 13: Dec	<ul style="list-style-type: none"> Check for Robot Game and Project updates Practice a Core Value Exercise 	<ul style="list-style-type: none"> Practice Runs (2.5 min timed runs) Tweak robot or code as needed Practice for Robot Design Practice hardware/software Q&A 	<ul style="list-style-type: none"> Practice Research Presentation (is it under 5 mins including setup?)
Week 14:	<ul style="list-style-type: none"> Check for Robot Game and Project updates Practice a Core Value Exercise 	<ul style="list-style-type: none"> Practice Runs (2.5 mins timed runs) Tweak robot or code as needed Practice Robot Design Practice hardware/software Q&A 	<ul style="list-style-type: none"> Practice Research Presentation
Week 15 Mid-Dec- mid Jan	Time is up!!! WESTERN PA FLL STATE CHAMPIONSHIP: Remember to bring all materials for presentations. Bring extra LEGO parts for last minute fixes. Bring a laptop with your code for last minute changes.		

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