FIRST LEGO LEAGUE (FLL)

Calendar:

	Week 1	Week 2	Week 3	Week 4
June	▪ June 3 ▪ Kick-off, Overview of FIRST, FLL, 2-24-25 Challenge, push/pull team exercise	▪ June 10 ▪ Detailed review of 2024-25 challenge Submerged & likely challenges ▪ Discuss roles of FLL team, team building challenge	▪ June 17 ▪ Team exercise, lesson on Spike motors & sensors, team build base robot ▪ Lesson on Spike coding, discuss different attachments	▪ June 24 ▪ Team exercise ▪ Discuss 2023-24 Masterpiece Scoring Sheet & System ▪ Build extension (s) and test on base robot, coding challenges
July	▪ July 8 ▪ Split into 2 groups for mini-competition ▪ Introduce 2 competition tasks (e.g., trigger, collect) ▪ Teams to build extension (s) and practice with coding	▪ July 15 ▪ Teams make modifications to robot & extensions ▪ Develop/modify code to complete challenges ▪ Practice!!	▪ July 22 ▪ Teams make modifications to robot & extensions ▪ Develop/modify code to complete challenges ▪ Practice!!	▪ July 29 ▪ Hold mini-competition ▪ Teams compete to achieve challenges / tasks and are scored
August	▪ Aug 6 (shift) ▪ FLL releases details on Submerged Challenge (Aug 6) ▪ Team to review challenges and brainstorm on solutions	▪ Aug 12 ▪ Receive FLL Challenge Set, Challenge, Mat, etc. ▪ Teams build Submerged Challenges and brainstorm on solutions	▪ Aug 19 ▪ Team begins design of base robot, design extensions, possible solutions	▪ Aug 26 ▪ Team begins design of base robot, design extensions, possible solutions

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2024 – 24 Season Timeline (provided to parents earlier)

	June	July - Aug	Sept - Nov	Nov 30 – Feb 9	Feb 22 – Mar 2	End-March
Focus	▪ Focus is on learning foundational skills in robotics and coding through workshops ▪ Staff getting to know students and their strengths and abilities	▪ Workshop focus is on learning more advanced building techniques and coding challenges based on past FLL seasons and challenges	▪ Teams formulate robot build (s) and coding solutions to challenges ▪ Focus on perfecting solutions ▪ Role assignments	▪ Attend Regional Tournament (s) ▪ Continue to perfect solutions, apply learnings from tournaments	▪ Qualification tournament (s) ▪ Continue to perfect solutions, apply learnings from tournaments	▪ Finals
Key Dates:	▪ Team begins meeting first week in June ▪ Late June students are selected for the team	▪ August 6th FLL releases “Task Publication/ Challenges” ▪ Late July/Early August FLL begins shipping Challenge and Explore sets ▪ Team Registration with FLL in July	▪ Role assignments by Sept 13th ▪ Mid-November we will have an internal competition where parents can attend	▪ Regional Tournament dates TBD	▪ Qualification Tournament dates TBD	▪ TBD – depends on team performance
Commit-ment	▪ Team meets 1 / week for 75 minutes	▪ Team meets 1 / week for 75 minutes / session	▪ Team meets 2 / week for 90 minutes / session	▪ Team meets 2 / week for 90 minutes / session	▪ Team meets 2 / week for 90 minutes / session	▪ TBD