



Kickoff 2025

By Logan B.

Saturday January 4th was the start of the 2025 FRC Season. We here at Team 6324 had our annual Kickoff meeting. At Kickoff, we reveal the new FRC game for the starting season, and then we converge and talk about the rules and the basic layout of the game. To start, we watched a FIRST live-stream in which we figured out the theme and basic functionality of the game. This year's game is a water themed game called Reefscape. Afterwards we split up into groups, and proceeded to read the game manual and study it for future reference. The groups answered questions related to rules of the game, then the team came back together in the computer lab, and shared their answers to ensure everyone had a thorough understanding of the game manual.

Then The Manufacturing subteam worked on the assembly of the newly-arrived Kitbot. The Design subteam started 3D modeling hex spacers for the robot, and even printed some prototypes. The Impact subteam worked on Executive Summaries for the FRC Impact Award. The Software subteam started working on the Kitbot code. And finally, the Business subteam started early planning for our Granite State District event that we host here at Salem High



Robot Designs

By AJ R.

This year's game is a heavy pick and place style game, so the Design Team has been cooking up concepts with the use of an elevator. In the first week of the season, we designed roughly 6 designs, all with different advantages and disadvantages, and we decided on the most effective one by taking into account our manufacturing capabilities and the scope of how much we can achieve in the game. The result of this was a robot that is simple, effective and relatively easy to make, using a good amount of COTS parts and custom elements. The current robot archetype has one degree of freedom with the ability to clear algae with a passive arm mechanism and score coral on all tiers of the reef.

SPONSOR HIGHLIGHT



By Logan B.

This month's sponsor highlight is...3rd Generation Plumbing! 3rd Generation Plumbing is a plumbing and heating company owned by non-other than our mentor...Andy Mike! They specialize in old, historic and antique homes, and have over 33 years of experience in the plumbing industry! Playing a huge part in our team members' experiences and growth, 3rd Generation is a huge part of the team.

"We pride ourselves on quality and dependable work. We stand by our work 100% and guarantee that you will be pleased and satisfied with our service."



<https://www.3rdgplumbing.com/>

Impact Award

By Sophia S. and Megan S.

This month our Impact Team has been drafting our submissions for the Impact Awards. The Impact Award is the most prestigious award that could be gifted to a team. This award is given to teams who help bring STEM to their community and educate the young and excite them about STEM. These teams embody the mission of FIRST and by bringing interest in science, technology, engineering and mathematics with their robot and their team. We are progressing towards submitting our Impact Award by writing executive summaries.

These executive summaries are a group of small paragraphs that outline our different ways we impact the community. These summaries go towards the Impact award and showcase what we have done and how we have helped bring STEM to the area around us. Some things we have talked about are things like the events we attend like Salem Scramble and also the Salem Holiday Parade. We also mentioned things about hosting and helping run events like UNH and GSD.

