

JANUARY 2026

ArrowDynamics

Bothell High School FIRST® Robotics team #10079



INSIDE, WE
ALSO
TALK
ABOUT:

Game summary &
Game Animation

2026
Season Kickoff

Robot progress

Outreach Events

Friday fun night

Upcoming Events

CHECK US OUT!!!!



@arrowdynamics10079



<https://www.youtube.com/@ad10079>



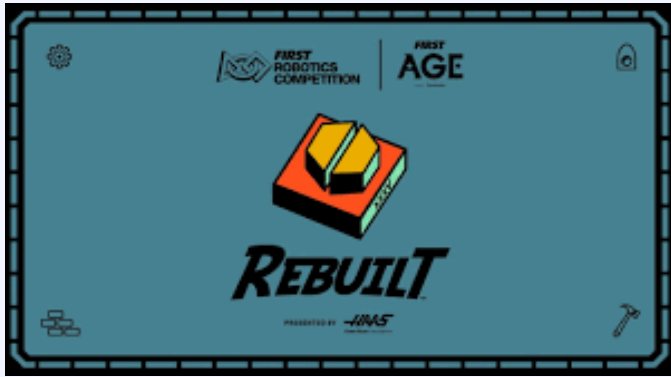
<http://frcteam10079.org>

Greetings From

Dear Sponsors and Supporters,

The BHS ArrowDynamics FRC team has officially entered our intensive six-week build phase. Our team has transitioned from initial strategy sessions to active prototyping and systems integration. We are currently on track with our development milestones, thanks to the combined support of our school administration, our dedicated mentors, and our generous sponsors.

Rebuilt™ Game Summary



[Click here for 2026 Game Animation](#)

In the 2026 game REBUILT, alliances compete to score high-density foam ball which is called “Fuel” into scoring Hubs that alternate between Active and Inactive states throughout the match. This unique "Shift" mechanic forces teams to balance rapid-fire scoring during active windows with heavy resource collection or defensive maneuvering when their “Hub” is disabled. The match concludes with a vertical challenge on the Tower, where robots earn tiered points by climbing to various rung heights before the buzzer.

Rebuilt™ Season Kickoff



Kickoff and Game Reveal

On January 10, 2026, our team gathered to launch the new FRC season, Rebuilt. The event was structured into three high-impact phases:

- **The Reveal:** At 10:00 AM PT, the full team viewed the global live-stream to analyze the new field, game pieces, and scoring objectives.
- **Strategic Breakouts:** We divided into small groups to dissect the game manual, identifying key rules and "must-have" robot capabilities.
- **Collaborative Brainstorming:**
- **Strategy:** Determining the most efficient paths to high scores and Ranking Points.
- **Mechanics:** Ideating intake, lift, and drive systems specifically for the Rebuilt challenge.
- **Design:** Sketching initial concepts and creating a technical road map for the build weeks ahead.

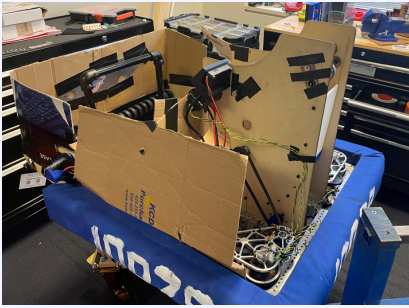
This organized approach ensured that every student had a voice in our early-season strategy and that our technical goals were aligned from day one.



ROBOT Build Season Progress

From Concept to Prototype:

We are pleased to announce the successful shift from theoretical designs to physical prototypes. Following the completion of our Block CAD phase, our fabrication shop is now dedicated to refining the mechanisms that will shape our competitive season in 2026.



Technical Milestone:

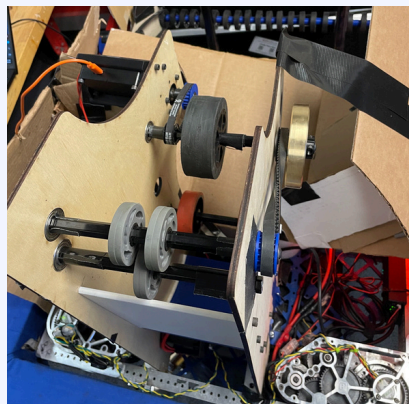
Our current prototype features a high-capacity storage and delivery system designed for maximum efficiency.

Key features include:



Variable Scoring:

The system concludes with a variable-angle shooter, allowing us to score from multiple positions on the field.



Integrated Intake:

We are utilizing a long-bar intake system with rotating wheels to effectively retrieve game pieces from the floor.



Storage & Indexing:

The robot features a central hopper feeding into a spindexer, a specialized mechanism that organizes and funnels game pieces into the shooter. Our current estimate for storage capacity is approximately 25–30 balls.

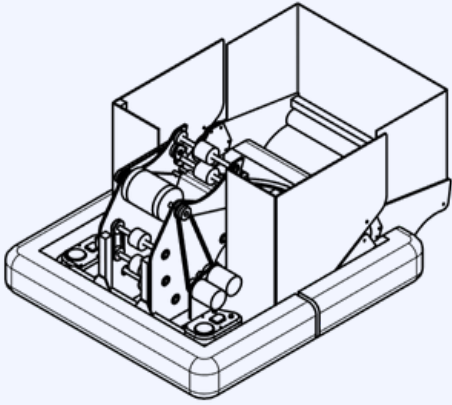
Student Growth & Fabrication:

This phase of the build has served as a vital training ground for our members. To bring our initial prototypes to life, students have mastered several high-precision manufacturing tools:

- **Laser Cutting:** Members are now proficient in operating laser cutters to rapidly produce prototype components from wood and cardboard.
- **Advanced Machining:** Currently, our team is undergoing specialized training on CNC (Computer Numerical Control) and Plasma Cutting machinery.

These skills are essential as we move into the final fabrication of our competition-grade chassis and mechanisms.

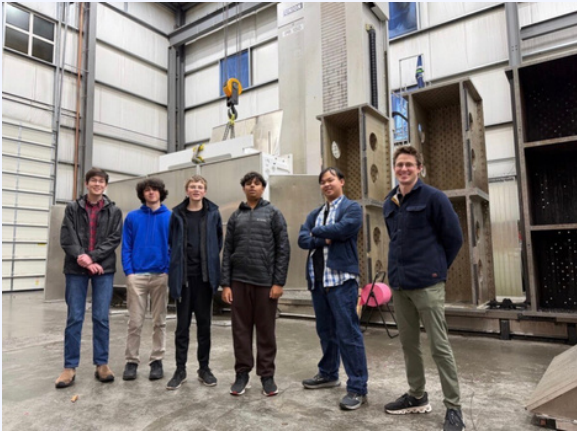
ROBOT Build Season Progress



Looking Ahead:

As we head into February, our focus shifts to Final CAD and the assembly of our competition robot. We are on schedule to move from wood and cardboard models to a fully integrated metal assembly in the coming weeks.

Outreach



Electro Impact Tour



Joy of Reading

January



Woodmore Elementary School

- Joy of reading: We assisted in organizing books for children in countries where access to books is limited.
- Electro Impact tour: We visited their facility to maintain ongoing connections and provide valuable insights to the newer members of our team.
- Woodmore elementary school STEM Fair, we will go here to prowess our new robots to the Elementary school kids to get them into engineering and robotics

North-End Practice Field



We have made significant investments this season to enhance both our technical readiness and the local robotics ecosystem. In addition to procuring essential game elements and the high-volume fuel required for competition, we have actively contributed to the development of a community practice facility at the North End. By donating critical materials and collaborating with Royal Robotics and Chill Out, we helped establish a regulation-grade field that allows local teams to prototype designs and participate in scrimmages. This initiative ensures that we, along with our neighboring teams, have the dedicated space and resources necessary to refine our performance before heading to the official competition.

Family Fun Night



Our team enjoyed a special day off, during which we gathered after school to share a variety of refreshments, including pizzas, doughnuts, and beverages.

Additionally, we engaged in numerous video game sessions that facilitated meaningful connections among team members. This evening of camaraderie helped establish strong friendships that will endure throughout the competition season and foster a positive atmosphere for future gatherings.

Timeline of Events

Team will meet Monday - Saturday during January, February, and March

March 11 → 15 - Glacier Peak HS Competition

Hosted by:

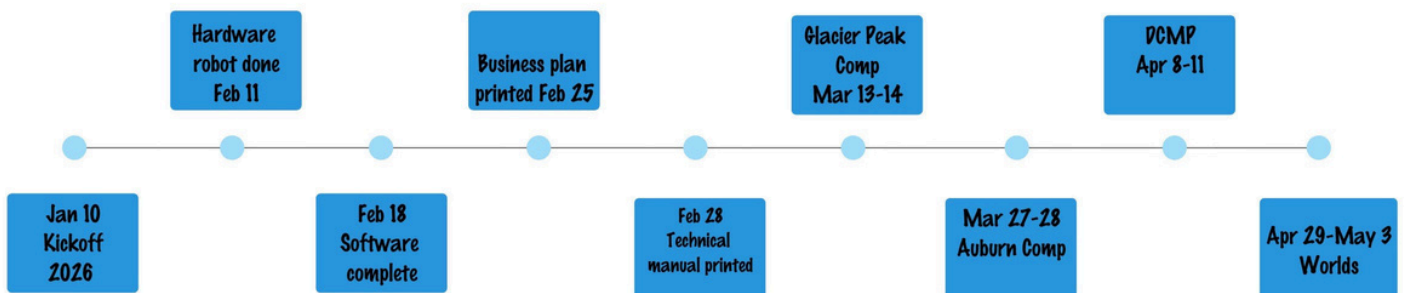


March 25 → 29 - Auburn HS Competition

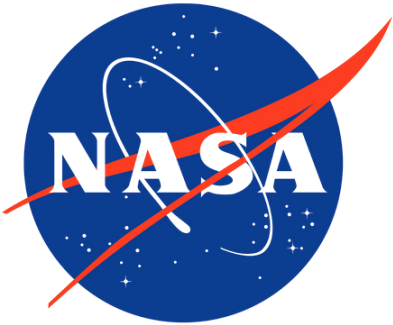
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Important events timeline 2026 season



Thanks To All our Sponsors:



Gene Haas Foundation

