

THE PK MONTHLY

VOLUME 1 | ISSUE NO. 3 | MARCH 2019

THE
POWERKNIGHTS
ROBOTICS TEAM

Connect with The PowerKnights



THIS MONTH:

NORTH SHORE

Team 501 kicks off the *FIRST* competition season with a Semi-Finals result @ North Shore District Event.

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TACO TUESDAY

Taking one for the team has extra-special spicy meaning during our March Restaurant Fun-Raiser @ Chipotle

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UNH

PowerKnights battle for top rankings throughout the competition with a 10-2 record. Finishing with a Alliance 4 Captain and Semi-Finals showing.

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501 WINS AWARD

Team501 wins Entrepreneur Award at UNH Event for Back-to-back award win.

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SEASON CALENDAR

Get the latest information about this years competitions and team events.

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Qualification 66 of 76

Match Results Powered By Rockwell Automation

Team #	Rank	Score
1027	30▼	44
1073	16▼	
5735	29▼	

Team #	Rank	Score
5563	27▲	83
6161	4▲	
501	22▲	

WIN

Task	Score
SANDSTORM	12
HATCH PANELS	8
CARGO	9
HAB CLIMB	15
RED PENALTY	0

1 RP

Task	Score
15 SANDSTORM	3 RP
14 HATCH PANELS	
18 CARGO	
15 HAB CLIMB	
21 BLUE PENALTY	

3 RP

DESTINATION: DEEP SPACE

NE District North Shore Event

FIRST ROBOTICS COMPETITION

Reading Memorial High School in Reading, MA site of the First NE District Competition for Team 501.

North Shore Districts

March 15th – 17th | Reading Memorial High School, Reading MA

FRC 501 headed down to Reading, MA for the first NE District Event. Week 3 of FRC Competition starts on the "North Shore". Robot is running really well, but the climber continues to have issues. We are climbing intermittently. Missed the climb in the Semi-final rubber match.

Ranking: #19

Selected: Alliance #6 Pick

Overall Record: 9-8-1

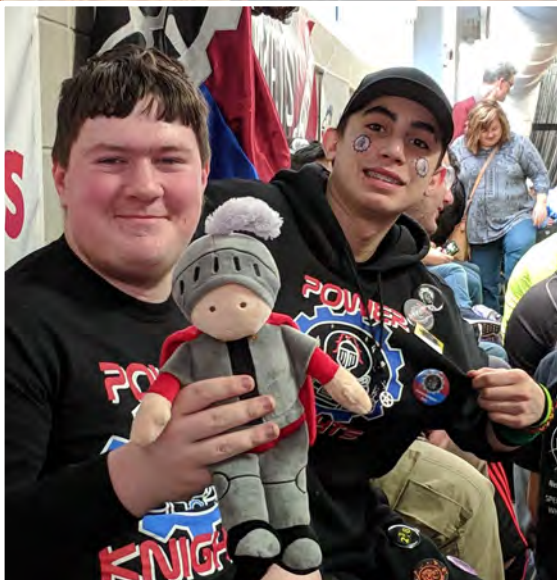
Results: Semifinals

<https://www.thebluealliance.com/event/2019mare>



TOP: High Score of the Event was an 83 point win over the blue alliance. 501 teams up with Alliance Partners 5563 and 6161.

BOTTOM: Qual 66 sees a great HAB Level 3 Climb.



Reading Memorial High School in Reading, MA
site of the First NE District Competition for Team 501.

North Shore Fun.

March 15th – 17th | Reading Memorial High School, Reading MA

Two day competition can sometimes have its lulls. In between matches the team participates in running of the event, including providing safety glasses to all pit row visitors. This year the team developed several new cheer gear including light up posters and team numbers.

TOP: Peter Carle ready to jump into action with full PowerKnights Mascot Gear. "When I say Five-Oh, you say One"

MIDDLE: Team members Cameron Miles, Tad Hagner and Isabelle Steger manning the pit row Safety glasses station.

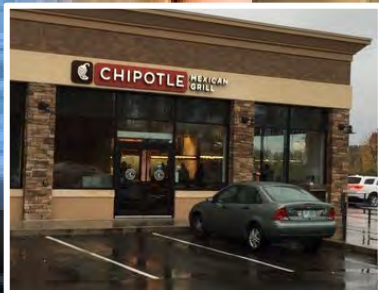
BOTTOM: Ryan Edgar and Cameron LePine showing their spirit with Knights gear and face paint.

Taco Tuesday Fun-Raiser

March 19th | Chipotle Restaurant, Bedford, NH

Team 501 enjoys some delicious Tacos, Burritos and Bowls at the Chipotle Restaurant Fun-Raiser. Everyone had a great time and good food.

Students, Parents, Mentors, Friends and Alumni all stopped by and ordered to support the team.



Team 501 students, mentors, parents, alumni and friends all share a meal to support the team at our monthly restaurant "Fun-Raising" night.



CHIPOTLE

MEXICAN GRILL

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501 Drive Team, Pit team and Safety Team ready to head out for another Match (photo credit: Julie Perkins, Geneia)

Event #2: UNH



March 29th – 31st | Whittemore Center, UNH, Durham, NH

One of Team 501's favorite venue, Whittemore Arena @ UNH is a great place to watch Robot Matches. PowerKnights started off 1-1 and then went on a run winning 9 of the last 10 matches, shortly sitting in First Place in Rankings and ending up 4th/40 team. We battled for two days bowing out the the #1 Alliance in the Semi-finals. All in all a great competition for the team.

Ranking: #4

Selected: Alliance #4 Captain

Overall Record: 12-4

Results: Semifinals

<https://www.thebluealliance.com/event/2019nhdur>

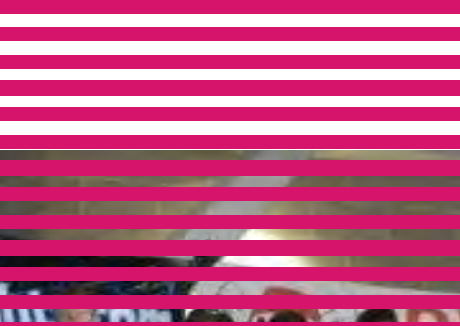


TOP: Right wing proudly displays some of our sponsors and partners during team matches.

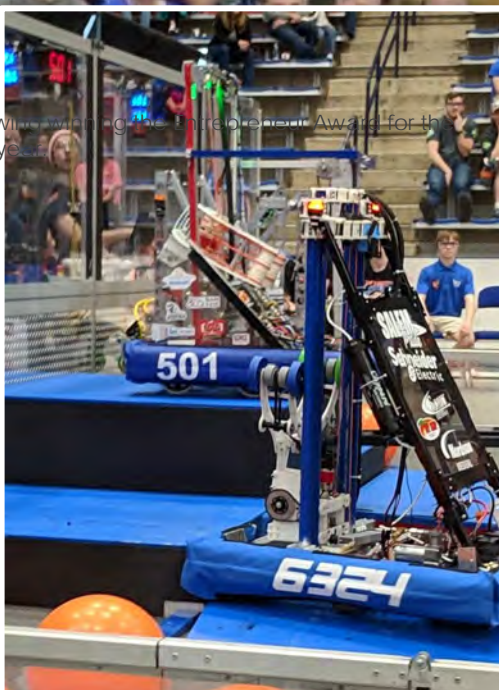
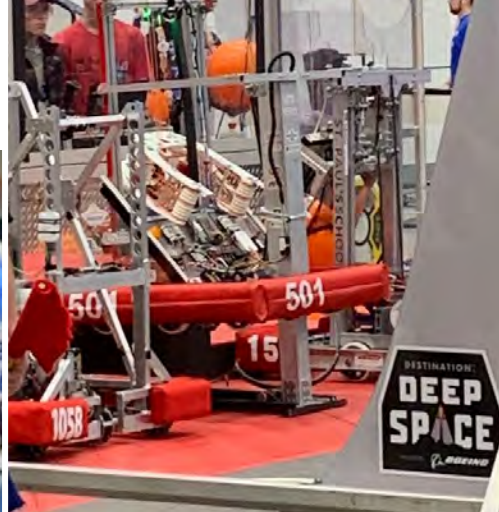
MIDDLE: NH 1st District State Representative Chris Pappas takes time to meet with student team member Jackson Charles during the competition

BOTTOM: Load In complete, This year's robot sits safely within team 501 "Castle" Pit area awaiting matches the next day.





Team 501 poses following winning the Fireproof Award for the second consecutive year.



Entire team cheers on the drive team and robot during the intense playoffs. QF2-1 is worth watching as Alliance 4 pulls out the win following an amazing double ramp bot, double HAB 3 climb by the Alliance 5 team.
https://www.thebluealliance.com/match/2019nhdur_qf2m1

UNH Playoffs.

March 29th – 31st | Whittemore Center, UNH, Durham, NH

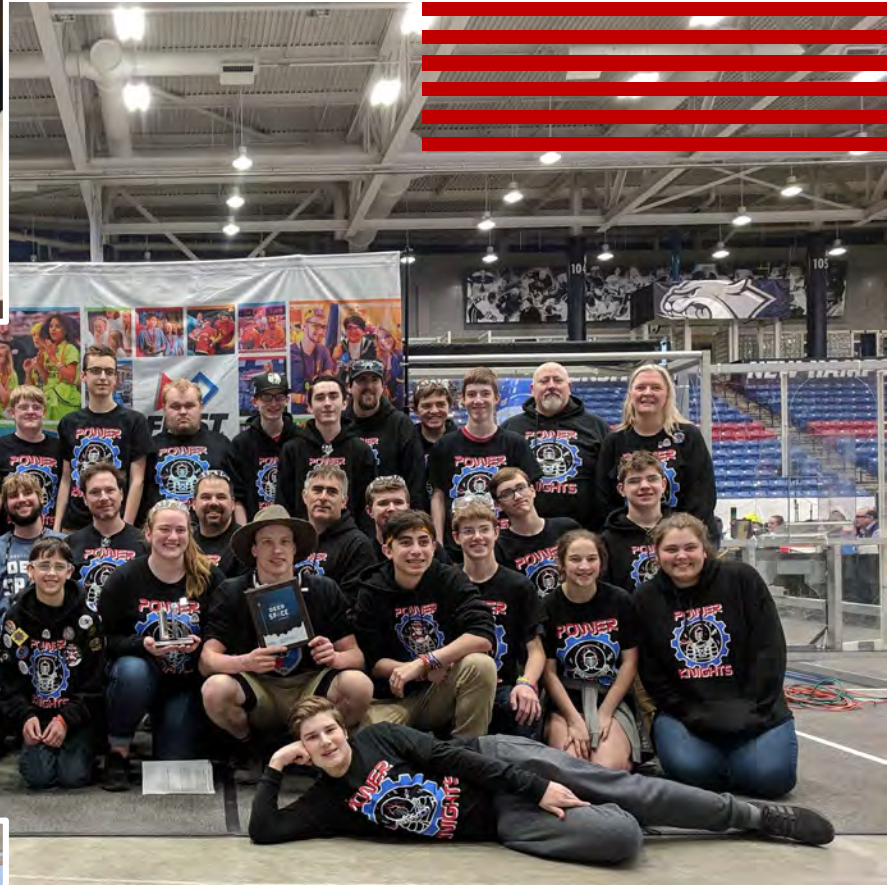
One of the most exciting 2.5 min of action is playoff robot matches. Our first QF match becomes one for the ages as red alliance pulls off an amazing 2 Ramp bot HAB 3 climb. We in turn nail the 24 point matching at the very last second to take the win. Boy this stuff is fun to watch.

TOP: One of the 9 HAB 3 Climbs performed during the Qualifiers for Team 501. Team 501 ranked 4th in HAB Climbs for the competition.

MIDDLE: 4yr Senior and lead driver David Gibson really trying to get into the robots mind.

BOTTOM: SF, Seconds before alliance partner 6324 jumps to HAB 2 to match for the win.





Team 501 poses following winning the Entrepreneur Award for the second consecutive year.

Entrepreneur Award.

March 29th – 31st | Whittemore Center, UNH, Durham, NH
 For the second year in a row, Team 501 wins the KPCB Entrepreneur Award for the second year in a row at the UNH District Event. This award celebrates the entrepreneurial spirit and recognizes the team that has developed a comprehensive business plan in order to define, manage, and achieve the team's ongoing objectives. 501 set out a number of key goals early in the year and this year we were able to achieve a number of them through hard work and effective management.

TOP: Winning plaque for deep space 2019 Entrepreneur Award
 BOTTOM: Student Team Member BizOps Lead/Treasurer Paige McNamara and BizOps lead mentor Patrick Steger celebrate winning the Entrepreneur Award.

KEY DATES

2019 FRC SEASON

JAN05 | 2019 Season Kickoff
JAN07 | Build Season Starts
FEB16 | Week Zero Event
FEB19 | Bag & Tag Robot
MAR16-17 | NorthShore Event
MAR30-31 | UNH Event
APR10-13 | NE District Champs

2019 OFFSEASON EVENTS

JUN01 | Mayhem in Merrimack
JUN07-09 | BattleCry #20 @ WPI
JUN29 | Summer Heat
OCT | Beantown Blitz
OCT | Bash @ the Beach
OCT | NH Governor's Cup
OCT | RiverRage 23
NOV | Battle of the Bay



UPCOMING EVENTS

APRIL 2019



4.10 | All Team Meeting (Goffstown H.S.)
 Full team meeting with student members and parents.



4.10-4.13 | New England District Championships (WPI, Worcester, MA)
 Top 64 ranked and Chairman's Awards compete for a chance at World's
<https://nefirst.org/event/ne-district-new-england-district-championship/>



4.18 | FUNDRAISER: Red Robin (Manchester, NH)
 5-9pm Thursday 4/18 at Red Robin in the Manchester Mall



MAY 2019



5.8 | All Team Meeting (Goffstown H.S.)
 Full team meeting with student members and parents.



5.15 | FUNDRAISER: Margaritas (Manchester, NH)
 5-9pm 5/15 at Margaritas, downtown Manchester



5.22 | End of Season 501 Banquet / Awards Night (TBD, NH)
 6-9pm Banquet to celebrate season, team activities and honor our seniors.

OUR AFFILIATIONS

Team 501 is proud to be affiliated with the following key organizations that make it possible for our students to participate in FIRST Robotics Competitions (FRC) each year.



For Inspiration and Recognition of Science and Technology is an international youth organization that operates the FIRST Robotics Competition. In 1989, Woodie Flowers and Dean Kamen became the founders of this amazing organization. Their goal was to teach young and inexperienced kids about engineering and technological skills and fields, as a way to get more of them interested. Today the organization includes a total of 7,000+ teams world-wide.



4-H has a long history of supporting robotics programs through 4-H clubs, after-school programs, camps and curriculum. Through robotics, 4-H'ers learn teamwork, problem-solving, critical thinking, engineering and design. The 4-H robotics program inspires young people and develops an early interest in robotics engineering and technology.



Goffstown High School, located in Goffstown, New Hampshire, United States, serves the towns of Goffstown and New Boston. Goffstown High School Joined Manchester West High School in 2007 to form an even stronger award winning team. Go Grizzlies!



Manchester High School West, known as West High or West, is a public high school located in Manchester, New Hampshire. What is today our beloved team 501, The PowerKnights! Was first founded in 2001 Go Blue Knights!



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