February was a month full of outreach! During National Engineers Week, Rutgers hosted several local students, ages 4th to 11th grade, for Young Engineer's Day. Rutgers Formula Racing coordinated an activity that required high school students to construct a car out of K’Nex that could protect an egg-passenger from a head-on collision when the car rolls down a ramp. The ramp was made steeper after each round until every egg-passenger broke except one. RFR members challenged each group of students to think critically about their design, their engineering method, and what parts of their design need improvement. In addition to the YED event, RFR also attended an engineering expo at East Brunswick High School along with several representatives from the Mechanical and Aerospace Engineering department. RFR brought out the RFR17 for the elementary and middle school students to see. Several RFR members talked to interested students and parents about the team and engineering.

Local high school students at Young Engineers Day

RFR outreach crew at YED

RFR outreach crew at East Brunswick HS

Chris Golm and a future engineer, EBHS

March was a month full of outreach! During National Engineers Week, Rutgers hosted several local students, ages 4th to 11th grade, for Young Engineer’s Day. Rutgers Formula Racing coordinated an activity that required high school students to construct a car out of K’Nex that could protect an egg-passenger from a head-on collision when the car rolls down a ramp. The ramp was made steeper after each round until every egg-passenger broke except one. RFR members challenged each group of students to think critically about their design, their engineering method, and what parts of their design need improvement. In addition to the YED event, RFR also attended an engineering expo at East Brunswick High School along with several representatives from the Mechanical and Aerospace Engineering department. RFR brought out the RFR17 for the elementary and middle school students to see. Several RFR members talked to interested students and parents about the team and engineering.

Local high school students at Young Engineers Day

RFR outreach crew at YED

RFR outreach crew at East Brunswick HS

Chris Golm and a future engineer, EBHS

**OUTREACH SEASON**

**MARCH CALENDAR**

Here's a quick look at our upcoming deadlines. Stay tuned to our social media for weekly updates.

**WHAT’S NEW AT THE SHOP**

**AERO/COMPOSITES**

**CHASSIS**

**CONTROLS/BRAKES**

**ELECTRONICS**

**POWER/DRIVETRAIN**

**SUSPENSION**

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The chassis has been sanded and painted.

Manufacturing of the differential carriers is complete.

Controls and brakes have completed most of their components. They await assembly.

Aero elements are coming close to completion. They await endplates and assembly.

The suspension team is excited to implement their driver-adjustable ARB.

Several members joined chassis and composites subteam members to bond the carbon panel floors into the chassis.

THANK YOU, SPONSORS

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SMALLEY

KYG INDUSTRIES

Majestic Hills

JAKTOOL

Rectangle

TEAM MEMBER SPOTLIGHT

Cristina Parente, first year member

“My experience as a new member at RFR has been great. Everyone is so helpful at teaching me the new things I need to know, especially considering that I’m not an engineering major, so it took me a little bit to pick up machining. Overall, everyone has just been really nice, welcoming, and helpful with whatever I have trouble with. Everyone is also judgement-free when you mess up a part, which is a relief. I’ve had opportunities to do many things in different areas of the team. I was able to start out machining parts on the mill and the lathe for different subteams, not just suspension, which is the subteam that I’m on. Then, I was able to start helping out with business stuff like the cost report. It is interesting to see how much the parts I’m making cost. It definitely makes my experience at Rutgers better since I have something I really love to do in my free time. It gives me something to look forward to when I’m done with classes. I hope that I can become as good at machining and understanding the design of the car as the more experienced members are and become a useful member of the team.

I’ve always been interested in cars since my parents have both worked in the car industry for a majority of their lives. My friend, Julian, was telling me about how he joined the team and explained what it is that we do. I thought it was really interesting and cool that a bunch of college kids can build a working car so I decided to check it out and decided that I really liked it.”

- Cristina Parente, Nursing, Class of 2021