GET READY FOR THE

2021 SEARCH & RESCUE CHALLENGE!

Bell has teamed up with the REC Foundation to invite your high school to participate in the newest robotics competition format in Texas, the Bell Vertical Robotics Challenge (**Bell VRC)**! The future of flight is evolving and so are STEM-based competitions. You don't want to miss this opportunity to be one of the first 60 teams participating in the 2021 competition "Search & Rescue Challenge".

This exclusive event is open to high school students from Texas and around the nation.
If you are not familiar with the Bell VRC - check out the video from the 2019 Bell VRC Competition

This is Not Your Typical Drone Competition:

- Simulated "Mobility Eco-System" with Both Aerial Vehicles and Ground Based Robotics
- On-Demand Mobilization to Simulate Moving Payload, People, and Packages
- To compete teams will engage in Design, 3-D Printing/Fabrication, Electronics, Coding for Autonomy, Systems Integration, Kinematics, Piloting, Project Management and Critical Thinking
- Essential Teamwork - Drone Piloting and Driver Control of Multiple Ground Robots will require 8 to 10 students to participate and coordinate in any given competition round.
- Team Presentations to be judged on competition day

To register for the 2021 Bell Vertical Robotics Competition, go to: RobotEvents.com
Registration fee of $4000 includes:

- Complete kit for both the Aerial Drone and Ground Robot(s)
- Teacher and Mentor training sessions on March 27, 2021
- ***Phase 1*** **(April 10 – May 15) –** *Drone Kit Distribution* and 5 weeks to Assemble Drone Kit and Flight Test for both manual and autonomous flight
- ***Phase 2*** **(Sep 25 – Nov 5) –** *Competition Reveal* and 6 weeks to Design, Build and Test solutions for the Aerial and Ground robotics Search & Rescue Challenge
- Entrance to one of the three Regional Competitions and the Playoff Championship (if qualified)

If you are interested in registering for this exciting event and/or want more information please visit Bell Vertical Robotics Challenge or email BellVRC@roboticseducation.org.