



# Haslett Public Schools

## Haslett Happenings Around the District

from the desk of...**Robin Celeski**, Rotorhead Drone and Robotics Club President/Coach

January 12, 2024



**NO SCHOOL**  
**January 15, 2024**

### Upcoming Calendar Events

#### January 15

*Martin Luther King Jr. Day - NO SCHOOL*

#### January 16

*Joint Elementary PTO (6 PM - WECC)*

#### January 17

*HS Exams (1 & 2 - 1/2 Day - HS ONLY)*

*Choir Boosters (7 PM - Viking Room)*

#### January 18

*HS Exams (5 & 6 - 1/2 Day - HS ONLY)*

*Ralya Family Night at Launch*

#### January 19

*HS Exams (3 & 4 - 1/2 Day - HS ONLY)*

*MSVMA Choir Solo & Ensemble (Leslie)*

#### January 20

*MSVMA Choir Solo & Ensemble (Leslie)*

#### January 22

*Board of Education Meeting (7 PM)*

*HS Band Solo & Ensemble Workshop (3 PM)*

#### January 24

*HS Student of the Month (7:15 AM)*

#### January 25

*NWEA Testing*

#### January 26

*NWEA Testing*

#### January 27

*Science Olympiad Tournament*

#### January 30

*MS Parent Common Council (5 PM)*

*MS Conferences (3-5 PM and 5:30-7 PM)*

#### February 1

*MS Conferences (3-5 PM and 5:30-7 PM)*

*Band Boosters (6 PM - HS Media Center)*

#### February 2

*MS Student of the Month (7:40 AM)*

#### February 3

*MSBOA Band District Solo & Ensemble*

“Roads? Where we’re going, we don’t need roads!” This is the motto The Flying DeLoreans live by! The Flying DeLoreans are part of the Rotorhead Drone and Robotics Club, which is comprised of students from Haslett High School, Lansing Christian Schools and Vassar High School. The team is a drone and robotics team that competes in Bell Aviation Advanced Vertical Robotics.

During the 2023 season, the team won the following regional awards: Best Overall Design Award, the Presentation Award, Second Place Winner, and First Place Winner, earning a spot at the National Championship at the Bell Flight Research Center in Arlington, Texas. While the team finished 9th overall and 5th in their presentation and engineering notebook, only 14 teams from across the US earned a spot to compete. This is a remarkable achievement being that this was their first year in this drone program and the complexity of this challenge!

The Bell Advanced Vertical Robotics (AVR) Competition inspires future entrepreneurs in the fields of engineering and manufacturing. Students use hands-on, industry-standard tools to design, build, and compete against teams from around the US with the most advanced aerial robotics technology available today. Participation in the Bell AVR Competition prepares students to meet rapidly changing future workforce needs, both on the ground and in the air.

The 2023 Bell AVR Competition: Recon, Rescue and Firefighting Challenge includes “firefighting” activities for the aerial and ground vehicles to keep Bell County from burning! Over the course of a single 16-week season, our team:

- Built, programmed, and flew the most advanced drone available in competition robotics.
- Designed, 3D printed, and implemented their own robotic components.
- Soldered and wired on-board electronic components.
- Learned how industry aerospace experts code for aerial kinematics.
- Overcame the challenges of “in the field” systems integration.
- Utilized project management skills to balance development cycles of ground and aerial robots.
- Delivered technical presentations to compete for judged awards.

The Rotorhead Drones and Robotics Club is not only committed to excellence on the field, we are also passionate in creating opportunities for classroom learning. In 2023, the club was able to donate 10 CoDrone drones (classroom based drones and curriculum) to Ralya Elementary School to help bring their STEAM curriculum alive. Using the provided curriculum, 5th grade students were able to both program and manually pilot the small drones. The club is currently having conversations with other Lansing area schools to provide the same experience in 2024.

For more information, please contact Robin Celeski at [celeskrn@haslett.k12.mi.us](mailto:celeskrn@haslett.k12.mi.us).

