High Altitude Balloon Launch Project

**Award:** Student Satellite Initiatives; $12000.00

**Advisor:** Dr. William Farrow

**Research Topic:** The Elijah Project -- 2017 High Altitude Balloon Project

**Quinlan Bock**

**Status:** Freshman, Computer Science

**Award:** Elijah Balloon Launch $3000.00

**Taylor Davitz**

**Status:** Senior, Mechanical Engineering

**Award:** Elijah Balloon Launch $3000.00

**Josh Furey**

**Status:** Junior, Mechanical Engineering

**Award:** Elijah Balloon Launch $3000.00

**Tyler Rasmussen**

**Status:** Sophomore, Mechanical Engineering

**Award:** Elijah Balloon Launch $3000.00

**None**

**Status: None**

**Award:** Elijah Balloon Launch $3000.00

**Abstract:** The 2017 Wisconsin Space Grant Consortium Elijah High-Altitude Balloon Launch Team was comprised of one student from Lawrence University, two students from the Milwaukee School of Engineering, and one student from the University of Wisconsin – Fox Valley. This year, three members of the team had experience with high altitude balloon launches due to previous participation on either the Elijah Payload or Launch Team, or both. A training session was hosted by Dr. Farrow to familiarize or refresh the team with the physical setup of a launch train as well as how to run track predictions and how to read the jet stream charts. Launches were planned and carried out for the Elijah High-Altitude Balloon Payload Team. This launch was successful, reaching a peak altitude of over 115,000 ft (35 km) above mean sea level.

**Congressional District:** 4

**Congressional Representative:** Gwen Moore