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Nationwide Eclipse Ballooning Project

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Nationwide Eclipse Ballooning Project

Missouri University of Science and Technology

By: Abigail Richner, Esther Phillips, Libby Ring, Drake Beaman, Cheyann Johnson, Jordan Brawnschweig, Will Gleeson, Alex Bane, Hieu Hoang, Luke Serrano, Maria Styron



Goals

- Introduction to basics of spacecraft through hands-on research and
- Improve Teamwork
- Collaborate with other teams across the nation
- To participate in K-12 STEM outreach efforts
- Build, design, and test payload packages



Our Approach

At this Point

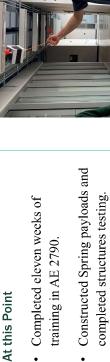
- On the engineering track:
- testing, and flying a payload to With the objective of building, livestream video during the eclipses.



Project Objective

The Missouri S&T High Altitude Ballooning Team is:

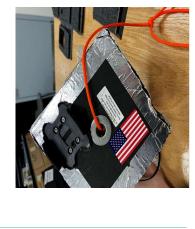
- · Participating in the Nationwide Eclipse Ballooning Project
- collaborating to launch high altitude balloons during the 2023 and 2024 (NEBP): a program in which 55 teams across the US are solar eclipses.



training in AE 2790.

Acknowledgments

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Upcoming Plans

- Complete the final training modules
- Assembling and testing the eclipse payload equipment
- Building the ground station, flight computer, and video streaming payloads.
- developing and hosting a variety of project, NEBP participants will be Throughout the remainder of the outreach events.

