

Hanover High School NEBP HAB Team

Hanover, New Hampshire



The Hanover High engineering pod, active in the National Eclipse Ballooning Project, specialized in atmospheric gravity wave research. During their time in Bend, Oregon, for the annular eclipse, they conducted educational programs at Realms High School, underscoring the value of scientific communication and gravity wave studies. Their October 14 balloon launch in Klamath Falls, Oregon, demonstrated meticulous planning and skillful problem-solving. With support from institutions like Montana State University-Bozeman and the University of Maine, the team is advancing their work by creating custom payload carriers and improving helium venting prediction models, crucial for balloon altitude control. As one of just five high school teams in this national project, they plan to share their innovative techniques with others. Currently, they're preparing for an April 8 launch in northern Vermont. This transformative journey has seen them evolve from beginners to adept experts, with a strong focus on teamwork and technical progress. Additionally, team members contributed to discussions at the 243rd American Astronomical Society's 2024 Meeting, further showcasing their engagement and growth.



Top Image: Hanover Team Captured in a Photo Following Their First Successful Launch and Recovery in September 2023.
Lower Image: Hanover's NEBP Team's Journey to Mt. Hood for the Annular Eclipse in October 2023