



## SPACE RACE (GAME)



**SCHOOL:** THADEN SCHOOL

**LOCATION:** BENTONVILLE, AK

**FLIGHT PROVIDER:** BLUE ORIGIN

**GRADES:** MIDDLE SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Mental well-being is an essential part of human life and will be increasingly important as space travel for humans increases. We are designing an air-controlled ball game that space travelers can play in their spare time. The game uses air to move a ball to the end of the board by triggering a line break sensor. The game boards are interchangeable and provide new, more advanced obstacles. We will use our Metro M4 to operate the pumps, vacuum, and valve components of our game design.