

STEM ACTIVITY

GRADE LEVEL: 6TH GRADE – 8TH GRADE

I Am a Heavy Equipment Operator!

Balloon Powered Vehicles

Create a moving vehicle powered by only the air in a balloon.

MATERIALS:

- Balloon(s)
- Tape
- Rubber Bands
- Straw(s)
- String
- Round Objects

- Can your equipment move items?
- Can your equipment go across floors and water?
- Can your equipment travel fast?

CHALLENGE VARIATIONS:

- Set a distance expectation
- Set a starting and target point within a room
- Have competitions of the equipment

MY GOAL:

IMPROVEMENTS & MODIFICATIONS:

- Round 1:
- Round 2:
- Round 3:
- Round 4:
- Final Round:

DID I REACH MY GOAL?

WHAT CAN I DO DIFFERENTLY NEXT TIME?