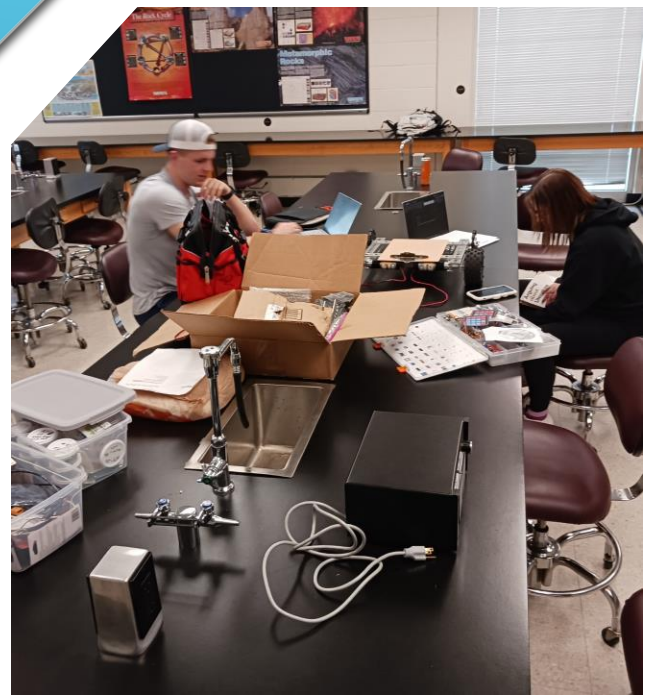
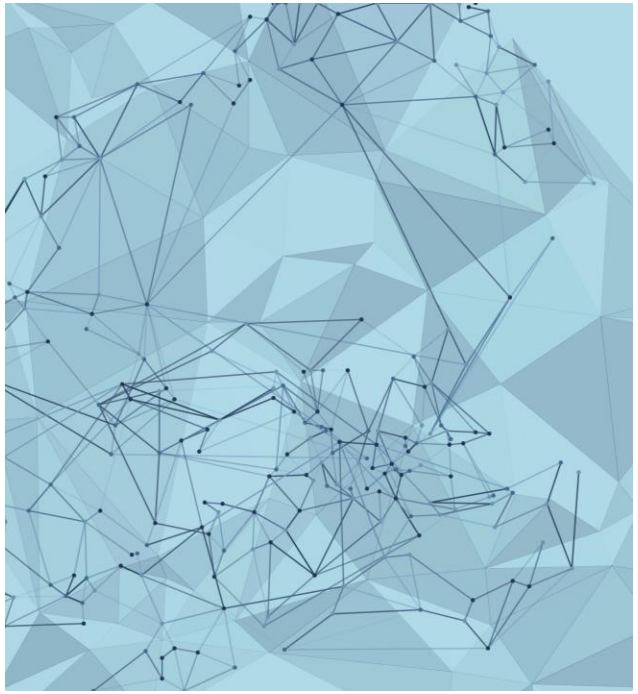




LAND ROVER

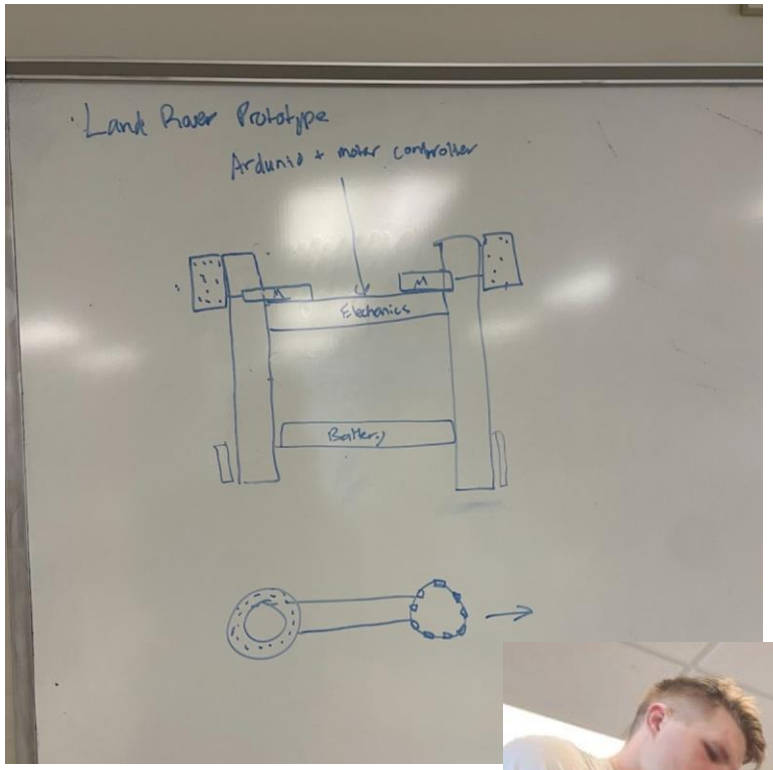
McKenna, Jovan, and Graham

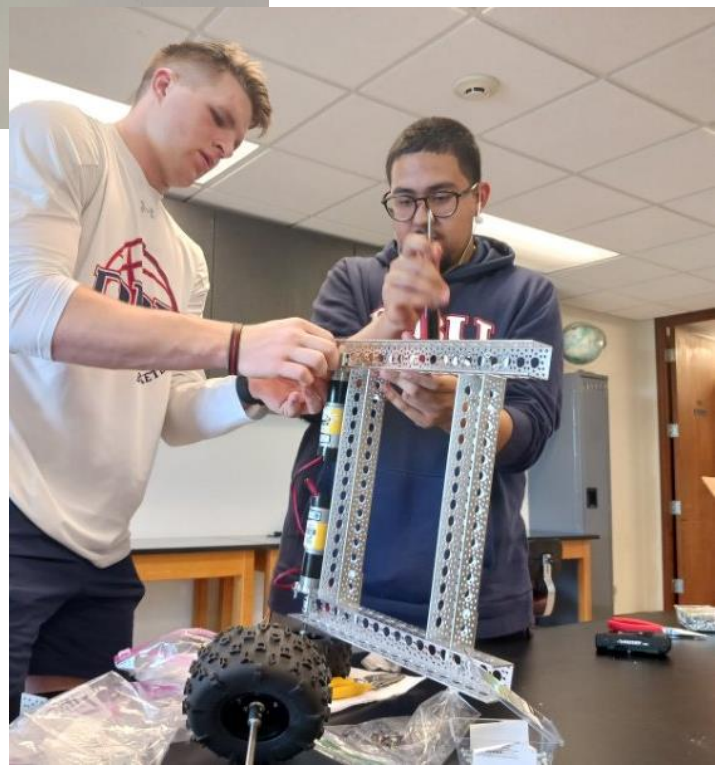
OBJECTIVE

Our project was to build a land rover that went forwards, backwards and turn left and right.

MATERIALS & METHODS

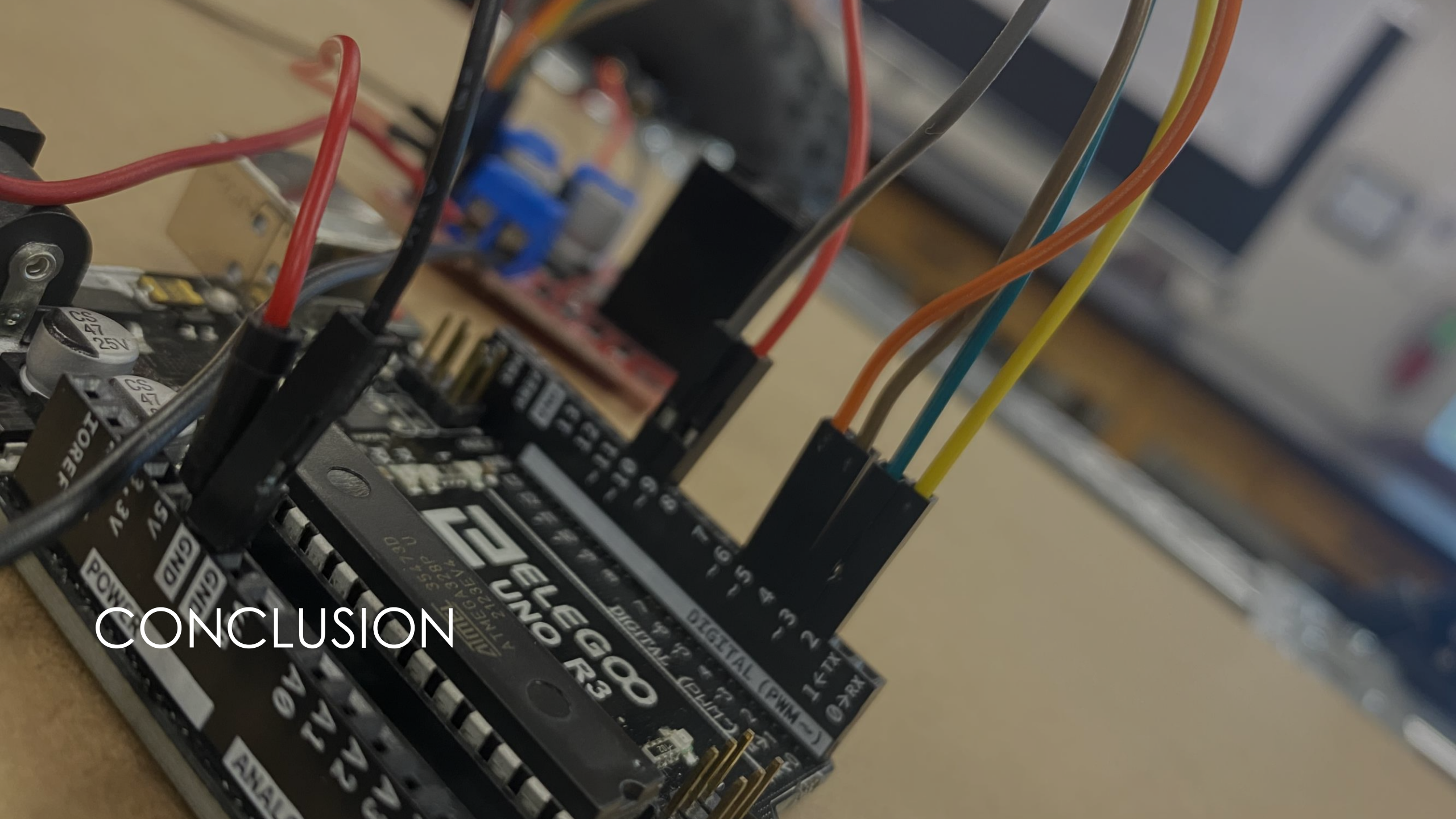
1	0.250" (1/4) Shafting and Tubing Spacers
4	3 Hole Pattern Plate (1.50" x 3.00")
4	Set-Screw Shaft Coupler (6mm Round Bore to 1/4" Round Bore)
1	3605 Series Black Revolver Rim (12mm Hex Drive, 56mm [2.2"] Diameter) - 2 Pack
1	1/4" Bore, 12mm Hex Wheel Mount - 2 Pack
4	1/4" D-Shaft (Stainless Steel, 1" Length)
4	0.250" (1/4") x 2.00" Stainless Steel D-Shafting
4	0.250" (1/4") x 1.00" Stainless Steel Precision Shafting
4	1/4" Shaft (Stainless Steel, 2" Length)
2	1309 Series Sonic Hub (1/4" Bore)
4	1206 Series Pattern Adaptor (16-4)
2	1504 Series 32mm OD Pattern Spacer (4mm Length)
1	2800 Series Zinc-Plated Steel Socket Head Screw (M4 x 0.7mm, 30mm Length) - 25 Pack





BUILD/DIFFICULTIES

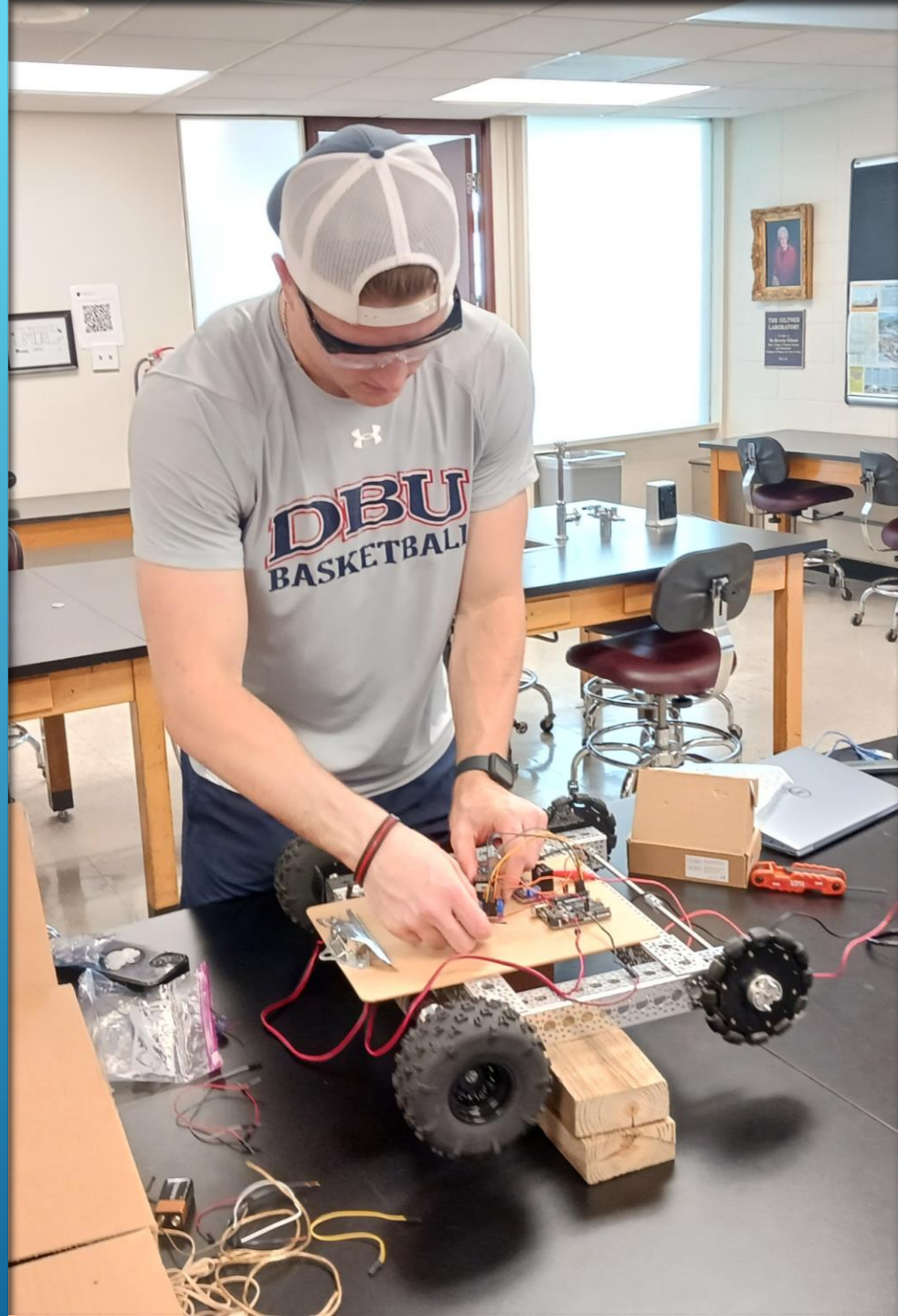
- U-channel direction
- Motor mounts
- Bearings and front Axle
- Arduino Code

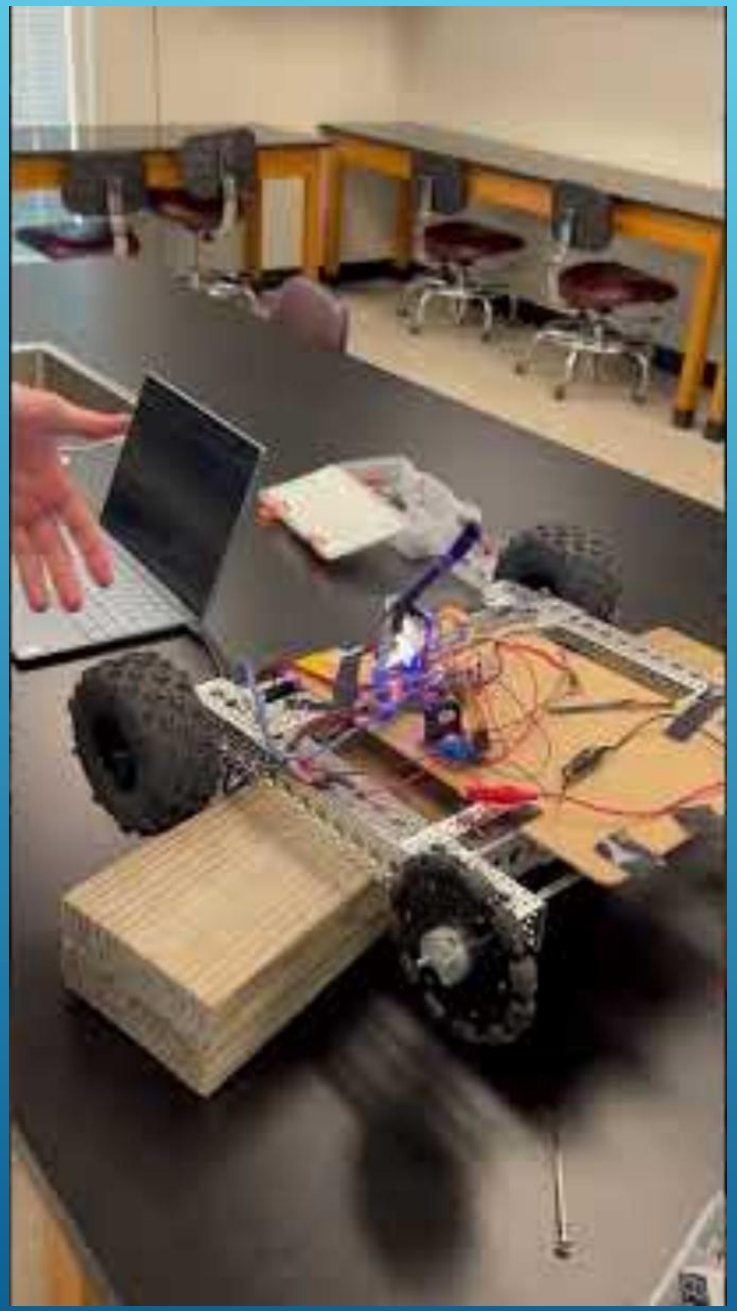


CONCLUSION

REFERENCES

- Servo City
- Circuit IO
- Arduino, Motor, Motor Driver inegration
- Sound Senor





VIDEOS