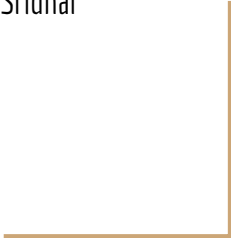


Fall 22 ME 250: Final Team Slides

Name 1, Name 2o, Name 3, Badhrie Sridhar
Section 1
2 December 2022



Bill of Materials

Part Name	Material	Quantity	Mass(kg)	Total Mass(kg)	EE(MJ/kg)	EC(kgCo2/kg)	EC(kgCO2)	EE(MJ)	Vendor	Price Per Unit/Cost (\$)
Funnel	Wooden Sheet/Plywood	1	0.680389	0.680389	15	1.07	0.72801623	10.205835	Home Depot	20.33
FlyWheel	3D Printing	1	0.0003	0.0003	95.4	4.98	0.001494	0.02862	-	-
Tube/Ramp	PVC	1/2	15.4221	7.71105	67.5	2.56	19.740288	520.495875	Home Depot	4.21
Paddle Holder	Wooden Block	1/4	0.006932	0.027728	10.4	0.86	0.02384608	0.2883712	Home Depot	7.9
Paddle Stand	Wood Sticks	3	1.6	4.8	7.4	0.58	2.784	35.52	Home Depot	1.99
Rubber Band	Rubber	1	0.00026	0.00026	76.24	4.57	0.0011882	0.0198224	Pantero	0.01
9 V Battery	-	1	0.0339	0.0339	-	-	-	-	Amazon	6.42
Mechanism Stand	Wood Sticks	3	1.6	4.8	7.4	0.58	2.784	35.52	Home Depot	1.99
DC Motor	Arduino	1	0.1	0.1	-	-	-	-	-	-
Servo Motor	Arduino	2	0.036	0.072	-	-	-	-	-	-
Bread Board	-	1	0.079	0.079	-	-	-	-	-	-
										-
TOTALS:				18.304627			26.06283251	602.0785236		42.85

Testing

Ball launcher: 6 inch testing

With no paddle:

At 40 in 2/10

At 35 in 2/10

At 30 in 3/10

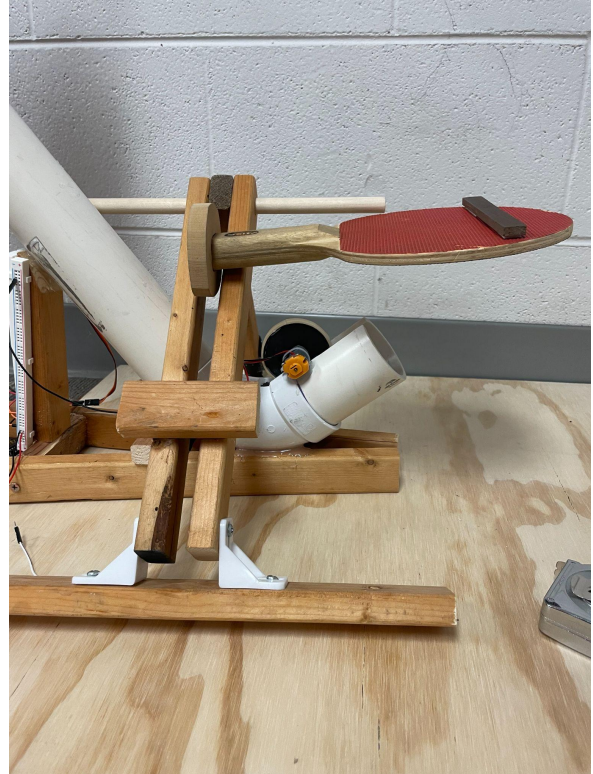
At 25 in 3/10

With paddle:

With paddle 2 inches above barrel at 25 inches
5/10

With paddle 4 inches above barrel at 25 inches
2/10

With paddle 6 inches above barrel at 25 inches
2/10



Final Build

