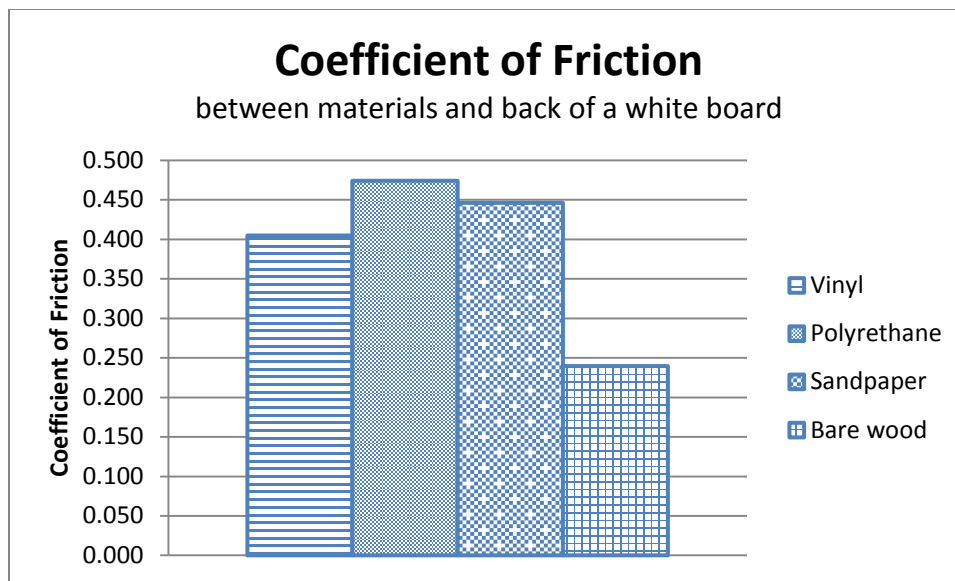


Experimental Data from Class Experiments on Force and Torque

Friction Lab

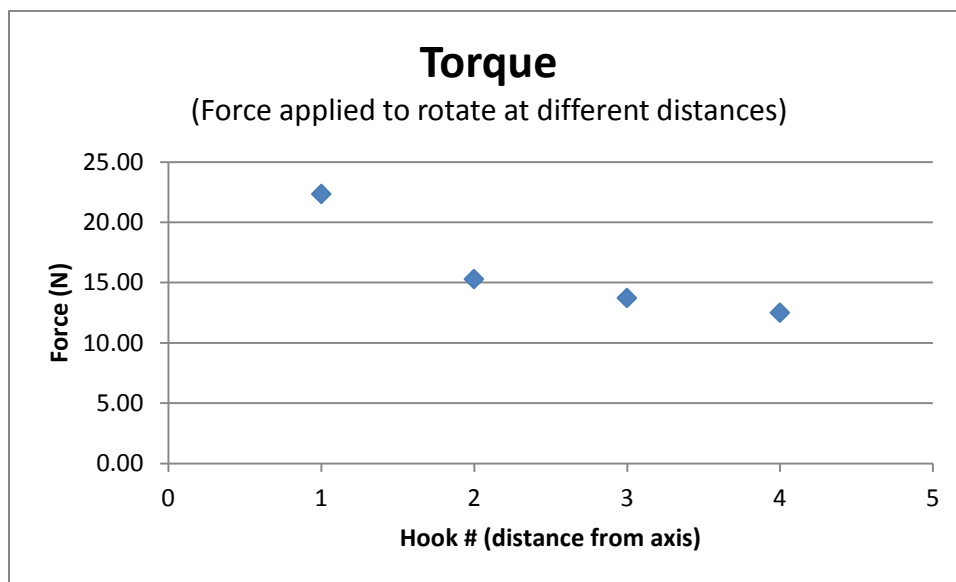
Material	coefficient of friction							Average
vinyl	0.461	0.35	0.37	0.48	0.29	0.46	0.423	0.405
polyurethane	0.538	0.46	0.37	0.48	0.43	0.54	0.5	0.474
sandpaper	0.461	0.5	0.44	0.48	0.39	0.37	0.48	0.446
bare wood	0.307	0.23	0.18	0.24	0.21	0.31	0.2	0.240



Experimental Data from Class Experiments on Force and Torque

Torque Lab

hook #	Force applied (N)							Average
1	25	22.85	21.76	27	18.8	20	21.1	22.36
2	19	8.08	18.5	20	7.5	17	17.03	15.30
3	16	5.27	20.2	22	4.6	14	14	13.72
4	13	10.67	19.01	18	2.61	12.1	12.11	12.50



Experimental Data from Class Experiments on Force and Torque

Elastic Force Lab

Force applied (N)	thin band stretch								Average
	1	0.07	0.05	0.01	0.02	0.015	0.01	0.01	
2	0.08	0.07	0.055	0.035	0.025	0.04	0.04	0.02	0.046
4	0.12	0.11	0.065	0.08	0.075	0.08	0.08	0.1	0.089
5	0.14	0.14	0.135	0.11	0.1	0.09	0.09	0.14	0.118

Force Applied (N)	thick band stretch (m)						Average
	1	0.01	0.01	0.01	0.005	0.01	
2	0.01	0.02	0.01	0.006	0.01	0.02	0.013
4	0.03	0.03	0.02	0.008	0.03	0.03	0.025
5	0.05	0.06	0.04	0.009	0.05	0.045	0.042

