What's Your Lung Capacity?

As I call it, the *fancy* way of saying
how much air you can blow in 1 breath.

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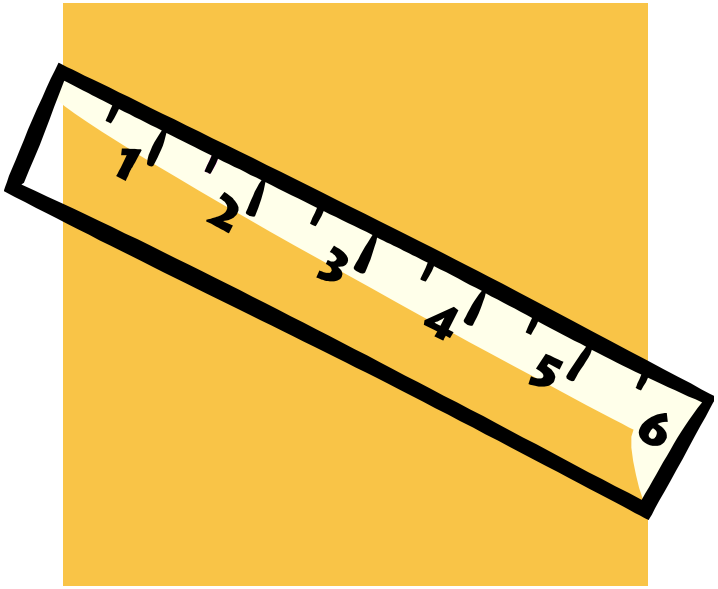
Testable Question

Does height effect your lung capacity?



My Hypothesis

I think that height will effect one's lung capacity

PURPOSE

* To see if height effected your lung capacity
* To see if my hypothesis would be supported/ proven
* To be if being tall can be a good thing

MATERIALS

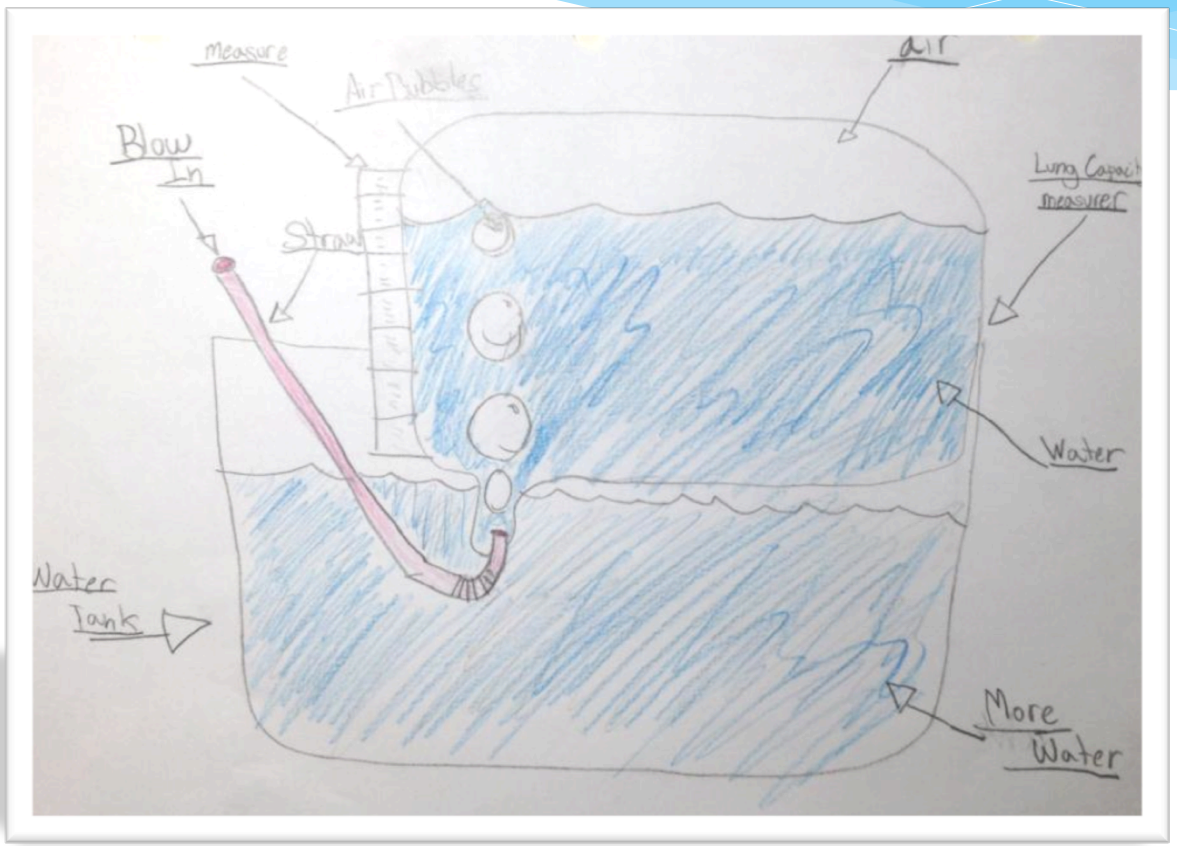
* Water
* Straws
* A big bowl
* A big container with measurements on it(you can draw on the measurements)
* Tape measure

Variables

Independent Variable: Height

Control Variable: Container, Tube, Measurments

DRAWN MODEL OF THE CONTRAPTION



DIRECTIONS

* Find a person
* Measure the persons height (cm)
* Tell the person to blow into the straw until they are out of breath 3 times (change the straw into a new one each time someone does it)
* Measure how much air is in the container and find out the average (ml)
* Repeat until you have enough results to see if your hypothesis is supported or not

Me!

My friend/one of the people who did it/Assistant

Who are those people?

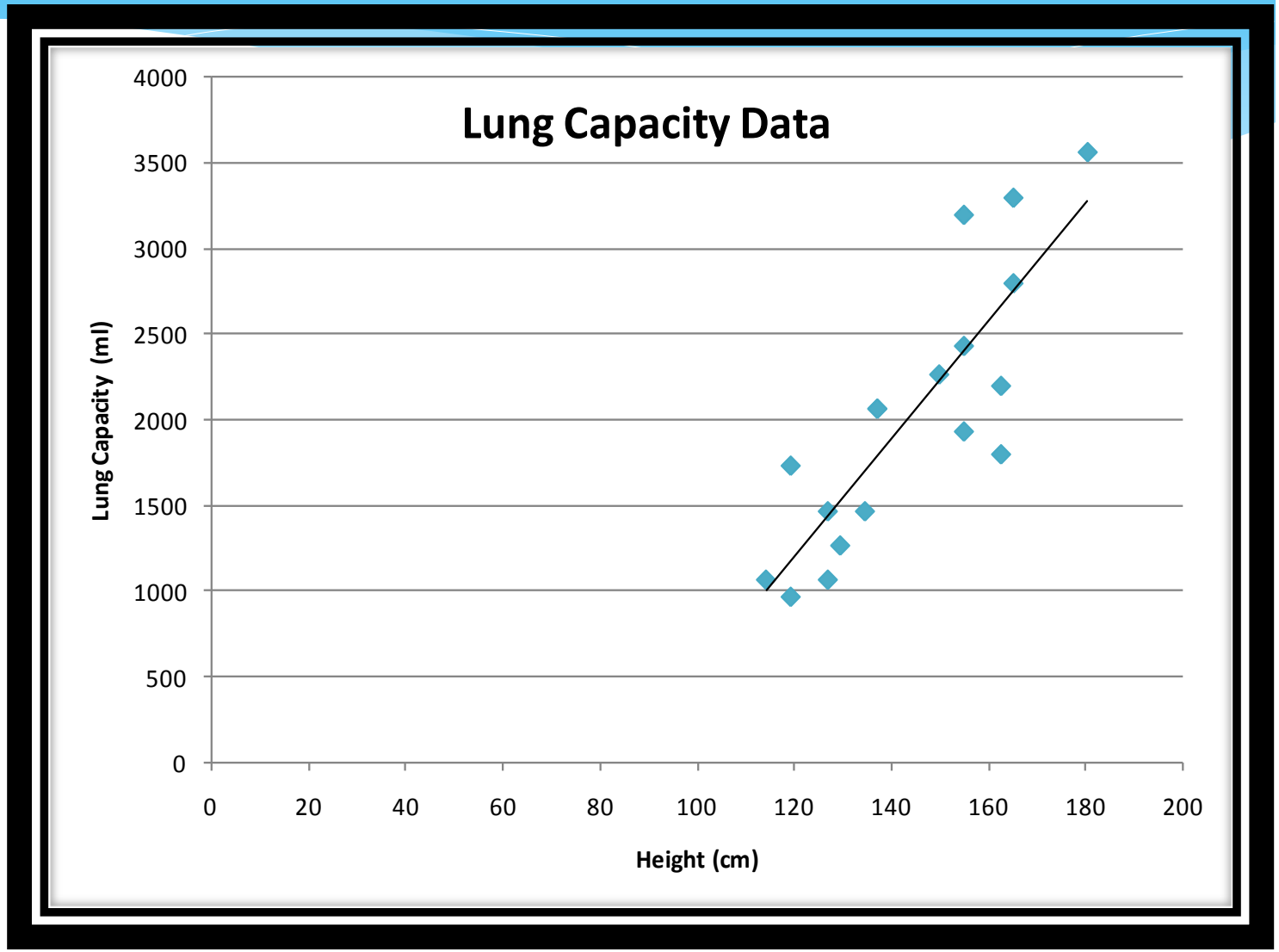
My little brother

Horrible Demonstration Video

RESULTS

Person #	Height (cm)	Lung Capacity (ml)			
		Trial 1	Trial 2	Trial 3	Average
1	137.16	2000	2200	2000	2066.667
2	119.38	1600	1800	1800	1733.333
3	127	1400	1600	1400	1466.667
4	137.16	1800	2200	2200	2066.667
5	114.3	1100	1000	1100	1066.667
6	162.56	1600	2000	1800	1800
7	154.94	1800	2000	2000	1933.333
8	180.34	3000	3700	4000	3566.667
9	129.54	1000	1600	1200	1266.667
10	127	1000	1200	1000	1066.667
11	165.1	2600	2800	3000	2800
12	162.56	2200	2000	2400	2200
13	134.62	1400	1400	1600	1466.667
14	119.38	900	1000	1000	966.6667
15	154.94	2400	2400	2500	2433.333
16	149.86	2200	2200	2400	2266.667
17	154.94	3000	3400	3200	3200
18	165.1	3200	3400	3300	3300

ANOTHER GRAPH FOR RESULTS



Conclusion

My experiment has supported my hypothesis.
My experiment could be improved.

ANY QUESTIONS?