

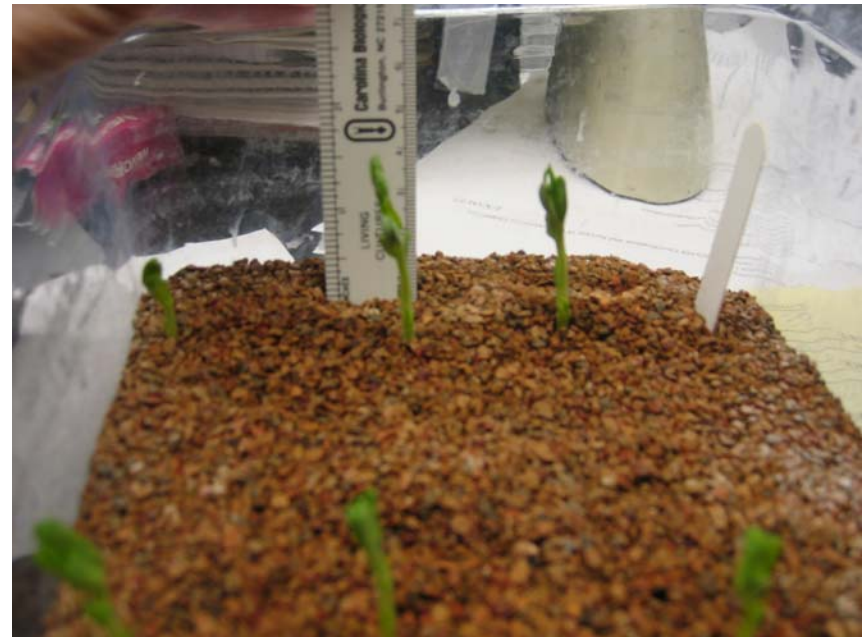
# Highland High School Microlada Pea Growth Experiments



- Project goal:
  - Compare the Microlada growth chamber to a green house.
- Project Set-up
  - We will plant six seeds in the supplied sediment and water everyother day measure growth, germination, and yeild. One container will be in the microLADA growth chamber and the other will be the school greenhouse.
  - Scott Sanford will conduct the experiment with the growth chamber and Teri Mitton will conduct the experiment in the greenhouse.

# Germination Results

- Growth chamber:
  - 3 of 6 seeds germinated
- Greenhouse
  - 6 of 6 seeds germinated



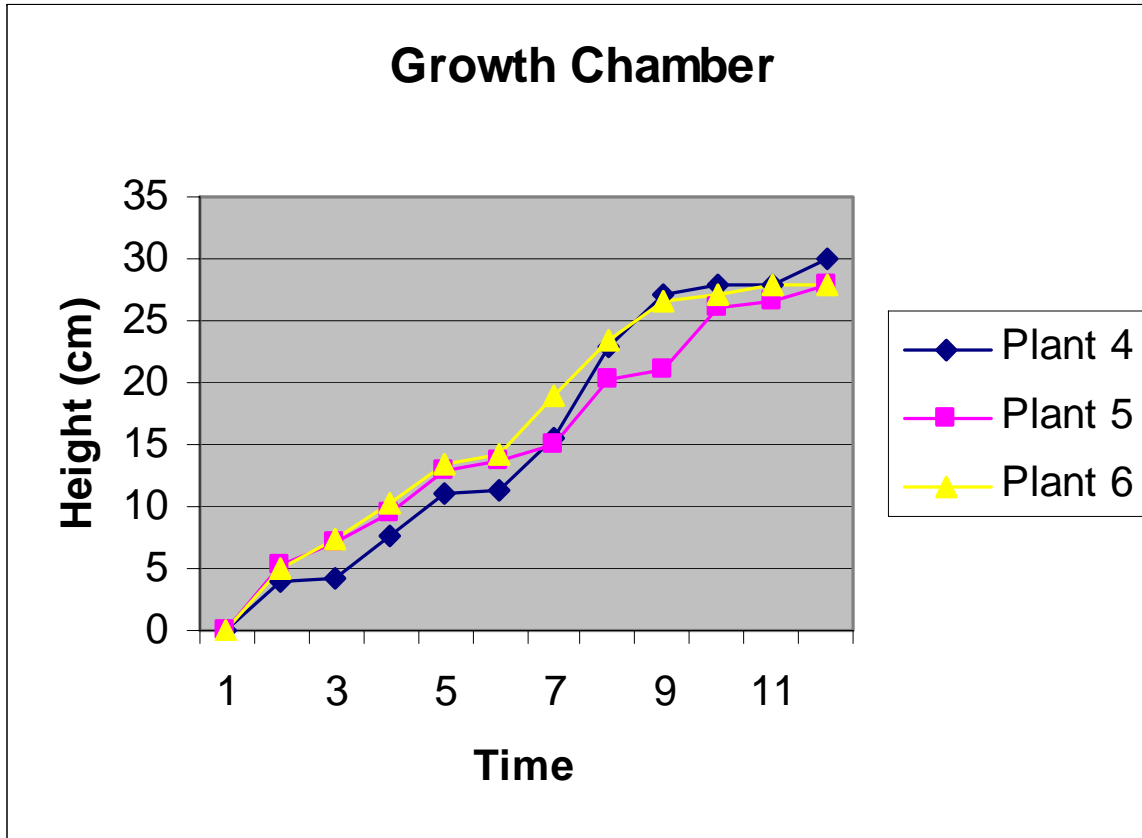
# Growth Rates Greenhouse Plants



Date	Plant 1	Plant 2	Plant 3	Plant 4	Plant 5	Plant 6
1/16/07	Seeds	were	Planted			
1/23/07	0cm	0cm	3cm	5.0 cm	3.0cm	5.0cm
1/30/07	2.0 cm	2.5 cm	5.0 cm	6.0 cm	5.0cm	7.0cm
2/6/07	3.5 cm	3.0 cm	6.5 cm	7.5 cm	6.5 cm	8.5cm
2/13/07	4.5 cm	4.5 cm	7.5 cm	8.5 cm	7.0 cm	9.5cm
2/20/07	6.0 cm	5.5 cm	9.0 cm	10.0 cm	8.0 cm	10.0 cm
2/27/07	7.0 cm*	7.0 cm*	9.5 cm*	10.5 cm*	8.0 cm*	10.0 cm*
3/6/07	7.0 cm*	7.0 cm*	10.0 cm*	11.0 cm*	8.0 cm*	10.0 cm*
3/13/07	7.0 cm*	7.0 cm*	11.0 cm*	12.0 cm*	8.0 cm	10.0cm*
3/20/07	7.0 cm*	7.0 cm*	12.0 cm*	12.0 cm*	8.0 cm*	10.0 cm*

\* Plants started showing signs of stress

# Growth Chamber Plants



	Plant 4 Height (cm)	Plant 5 Height (cm)	Plant 6 Height (cm)
1/15/2007	0	0	0
2/20/2007	3.9	5.2	5
2/21/2007	4.3	7.2	7.4
2/22/2007	7.6	9.5	10.3
2/23/2007	11	13	13.5
2/24/2007	11.3	13.8	14.1
2/26/2007	15.5	14.9	19
2/27/2007	23	20.3	23.4
2/28/2007	27	21	26.5
3/4/2007	28	26	27
3/7/2007	28	26.5	28
3/12/2007	30	28	28

