

CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

Name(s) Nathan T. Lyon		Project Number J1917
Project Title Biomimicry in Activ	on: Hypertufa vs. Soil	I
Objectives/Goals In this experiment, my goal w	Abstract was to test the difference in plant heigh	t and width between two medias. I
grew one set of plants in soil, block made out of several ma ones set in soil. Methods/Materials For the Hypertufa, several ing concrete. Vermiculite, Shagra To set up my experiment, I pl watered them the same amoun each individual plant. Results With all my results, I determi slightly higher average height same growing conditions and Conclusions/Discussion These results support my hyp not grow as well and did not of learned from this experiment	which was my control. I planted the of terials. I believed that the plants set in gredients were mixed in a cement mixed im Moss, cement, glass fibers, and was aced 4 sets of 4 plants in each media, nt, and measured the height of the talled ned that the plants grown in Hypertufa and a slightly wider canopy. These re- fairly accurate measuring. othesis, that the plants in Hypertufa w do as well visually, either. Each of the not about the Hypertufa, but more about	Hypertufa will grow better than the er until like the consistency of ter all make this base for vegetation. and placed them in the same spot. I est point and the width of the canopy of a flourished a little bit more, with a sults are fairly accurate, due to the ill grow better. The plants in soil did plants# quality was slightly less. I but biomimicry.
My project is about the difference	ence in plant growth between Hypertu	fa and soil.
Help Received		

Mother helped put poster together; father helped get supplies and plant.