



Name(s)	Project Number
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Project Title	
Does the Color of Light Affect Plant Growth?	
Abstract	
Objectives/Goals	
My objective is to find out how different light colors affect plant growth.	
Methods/Materials	
- 4 boxes Colored Transparancies: Red. Plue, Green, Vallow, and Clear	
 Colored Transparencies: Red, Blue, Green, Yellow, and Clear. 5 flower pots and plastic bowls (for drainage) 	
- 15 lima bean seeds	
- Potting soil	
- Tap water	
- 5 rulers	
- Scissors	
- Box cutters	
- Construction paper in Red, Blue, Green, Yellow, and White.	
- Tape - Cup	
- Paper towel	
I built three boxes with 5 different colored transparencies on top and front. I	planted seeds about ¹ / ₂ inch
into the pots and let them grow. I recorded measurements every 2-3 days. The	
colored light. There were 3 different plants for each different colored light.	I measured overall height and
leaf width for the tallest and best plant of each color.	
Results	midrover through the main of
The red grew the tallest, but the transparent was the healthiest. The blue died and the yellow was close to beating red. The green did poorly.	midway through the project
Conclusions/Discussion	
My hypothesis was somewhat correct because red was the tallest and green w	as the worst living plant. I
did not expect that the transparent plant would be the healthiest. I conclude t	
plant show the plants the full color spectrum, but if you want a tall plant you	
red light.	
Summary Statement	
Finding out how different colored lights affect plant growth.	
Finding out now different colored rights affect plant growth.	
Help Received	
My mother helped setting up project and using the paper cutter and box cutter.	