

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s)	Project Number
Rhitishah Yuva Raju	
	0.1005
Project Title	34395
Light Up Study	
Abstract	
Objectives/Goals	
If there are bright light and right wall paint, then I can study well because straight the straight will about a wall paint will about a warm and its light the	airling eyes in bad lighting
can tire a person quickly and bad wall paint will absorb surrounding light that successful in studies.	t makes one not to be
Methods/Materials	\checkmark
I interviewed Dr and I learned the functions of the eyes and how eyes absorb Venkat#s interview. Took a trip to Sacramento Municipal Utility District (SN	hight from Dr.Barathi
Venkat#s interview. Took a trip to Sacramento Municipal Utility District (SN	(D) meet with Engineer
Connie Samla - learned about types of light bulbs. Result: chose two light bu	bs: LED and fluorescent best
study rooms. Also, conducted experiments with different color temperatury (in paints and how Kelvin affects light quality (lower Kelvin 2700 produces or an experiment).	n Kelvin), different wall
paints and now Kelvin affects fight quanty (lower Kelvin 2700 produces orange produce a blue light and Kelvin 4100 - neutral light. A rip is Home Depot ar	ge fight, fiigh Kelvin 0500 of Sherwin Williams (talked
produce a blue light and Kelvin 4100 - neutral light. A trip to Home Depot ar to Jeremy - paint expert). There, I learned about Light Keflective Value (LRV light reflected from a surface of a paint color. If LRV ligher than 7 / green colower than 65 light dim. There is difference between Kelvin and Watt. I cond	The visible and usable
light reflected from a surface of a paint color. If LRV ligher than 7, green co	lor brought out. If LRV
lower than 65 light dim. There is difference between Kelvin and Watt. I cond	ucted a survey on light bulbs
buying pattern. I found that 9 out of 10 people are aware and depends on wat	to buy fight buids; only 2
people aware of Kelvin. The wall paint colors used -white, light red, dark re	d, light green, dark green,
light blue, and dark blue. Results	
I found that wall paints of light green (LRV 60) or light blue (LRV 69), a fluo	orescent light bulb or LED
I found that wall paints of light green (LRV 66) or light blue (LRV 69), a fluctight bulb, and with a Kelvin of 4100 works the best for the study room of a stalso studied on how different color impact people#s moods. I found that wh	tudent to succeed.
I also studied on how different color impact people#s moods. I found that wh	ite color impact kids IQ.
Conclusions/Discussion	
The best light and wall paint for study room: 1) Type of light bulbs	
i) Fluorescent tube	
ii)Light Emitting Diode (LE L)	
2) Color Temperature (Kelvin)	
i) 4100 for fluorescent tube	
ii) 4000 for LED	
3) Wall Paint (Color) i) Light Green	
Summary Statement	
Light Ur Study	
Help Received	
Parents watch electrical safety usage and drove trips	
Taronas water electrical safety asage and drove trips	