WHICH IS HOTTER? If you put different colored shirts in the sun for around 45 minutes on the same day, then which shirt would be the hottest?

Abstract

Alighter colored shirt would be cooler than a darker colored shirt on a regular day.

Background Research

surface would reflect light while a black surface would absorb the light. So, I used this as the basis for my experiment and assumed that a black shirt would be hotter on a regular day, as black shirt absorb light.

First, I put the 5 colored shirts (Red, Black, Green, Yellow, had heard that a white White) on a badminton net so that it could warm up. After that, I checked the temperature of the shirts every 15 minutes. I did this for an hour. At the end I checked the temperatures of the shirts and saw that the black shirt was the hottest and the white shirt was the coolest.

Procedures

Keep 4-5 shirts on a table outside. Check every 5 minutes to see if a shadow has fell on the clothes, it should not. Every 15 minutes check the temperature. Do this for 1 hour. Remember to record the temperature to see which shirt would be the hottest at the end of 1 hour.

Experiment

Conclusions

The black shirt did turn out to be the hottest and the white shirt turned out to be the coolest.

References

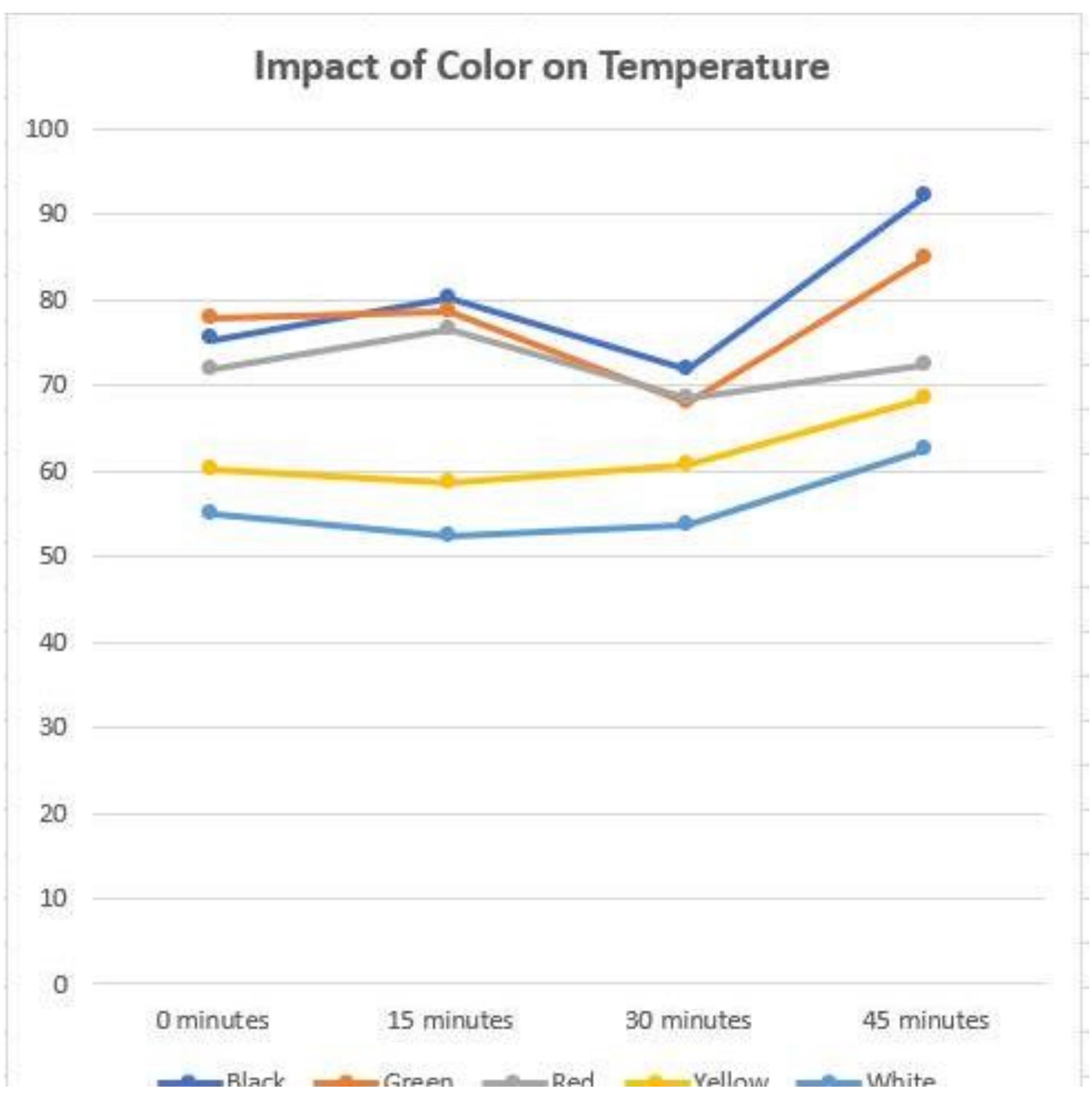
_ink #1

Link #2

Acknowledgements

I would like to thank my brother for helping me do my experiment.

Data Graph



	-arture	after 15	Temparture af -ter 30 minutes	Te -te
Black Shirt	75.4°F	80.1°F	72.0°F	92.1°
<u>Green Shirt</u>	77.9°F	78.6°F Click to add text	68.0°F	84.8°
<u>Red Shirt</u>	72.0°F	76.5°F	68.5°F	75.4°
Yellow Shirt	60.3°F	58.6°F	60.6°F	68.5°
<u>White Shirt</u>	54.9°F	52.3°F	53.6°F	62.6°

Data Table

