



Think Ink - PPP - Teacher's Notes

This investigation could be done as part of PALMS parent power!



As a follow up to the 'Sun Changed Paper' activity students can use post-it notes or highlighter pens to test if sunlight energy affects their colour. As long as only one thing is changed and everything else remains the same it will be a "Fair Test".

In the experiment above with post-it notes, the green was most bleached, followed by the pink and yellow notes. The orange background paper was also affected.

The pink highlighter pen was most affected with the orange less so.

Evidence from home that sunlight changes things (including people)

- Clothes bleaching when hung out in sunlight. Black clothes lose colour quickly.
- Bathers and beachwear bleaching in sunlight.
- Car Duco (automotive paint or lacquer) changing due to sunlight (and oxidation), especially up north. My old car is several tones lighter on the roof than on the side panels.
- Houses needing repainting due to sunlight (and oxidation)





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- Glare from sunlight removed by sunglasses. Area of skin around eyes not sunburnt - owl eyes.
- Posters, wallpaper, upholstery and carpets fading in sunlight.
- Plants grow in it and die without it.
- In parts of the world far from the equator, people can suffer from SAD (Season Affective Disorder or winter blues). They become depressed during the short dark days of autumn and winter but cheer up during spring and summer. Light therapy helps to fix things. In northern Russia some schools use these special lights to help students keep positive and achieve.

