

Natural Dye Experiment—

The attached sheet gives all the instructions.
PLEASE do not go to any expense to complete this experiment. Use what you have available in your home and yard. A white handkerchief or an old white sock will do the trick. If you want to have fun, dye an old white t-shirt.

Natural Dye Experiment due
date: Dec. 4, 2015

Note: Project MUST be accompanied by enclosed Data Sheet.

NATURAL DYES

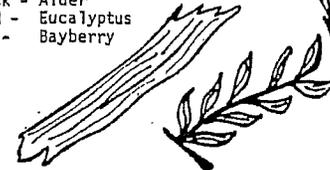
HISTORICAL AID:

Colors for clothing, artwork, and body painting were obtained from mineral pigments, clays, bark, roots, twigs, leaves, flowers, weeds, berries and vegetables. For sand painting, these natural sources were pounded into a dry powder. The powder was also combined with buffalo fat for body painting. Clay was used for the same purpose. The main method for extracting color was by boiling in water. Surprisingly, the color obtained is sometimes far different from the original. Try making your own dyes, by boiling for the time shown and then straining.



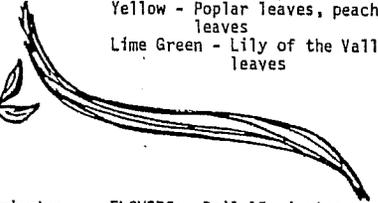
BARK: Boil 1 hour.

- Brown - Ash, birch, walnut, maple, hemlock
- Black - Alder
- Gold - Eucalyptus
- Red - Bayberry



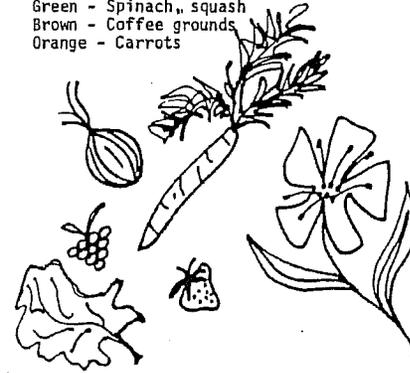
TWIGS & LEAVES: Boil 2 hours.

- Gray - Blackberry plant
- Yellow - Poplar leaves, peach leaves
- Lime Green - Lily of the Valley leaves



VEGETABLES, BERRIES: Boil 45 minutes.

- Red - Red onion skins, raspberries, beets, strawberries
- Yellow - Onion skin
- Blue - Blueberries, boysenberries
- Green - Spinach, squash
- Brown - Coffee grounds
- Orange - Carrots



FLOWERS: Boil 15 minutes.

- Green - Morning Glory
- Beige - Red Bouganvillea
- Blue - Cornflower, Larkspur
- Red - Bloodroot Poppy
- Yellow - Goldenrod, Dahlias, Marguerites



Name: _____

Natural Dye Project

Data Sheet

Materials: (What supplies did you use?)

Hypothesis: (What color do you think your item will be?
Tell why.)

Steps: (Describe, in detail, each step you took to complete
the project.)

Conclusion: (Was your hypothesis right? What were your
results?)

Why did you pick the item you did to use as your natural
dye?

If you could do the project again what would you do
differently?
