

TIE-DYE T-SHIRT LAB Name: _____ Per: _____

PROCEDURE: Twelve steps to an awesome tie-dye!

Day 1:

1. Get a pre-treated white cotton T-shirt of the size you ordered.
2. Fold/wrap the shirt according to the directions given in the video. Spirals are the easiest. Have someone help you put a few rubber bands around it to hold it together.
3. Use a permanent pen to write your name on a plastic tag, and place it under one of the rubber bands off to the side.
4. Optional: Practice on a paper towel or two if you want. Again, the video explains how to do that. Make sure the towel is barely damp. Throw away all paper towel attempts.



5. Now the T-shirt! Make sure you have a SINGLE sheet of newspaper folded in quarters on the tray. Place the T-shirt on top. Add the dyes you want in the specific patterns you want. Make sure to use approximately the total volume of dye recommended according to shirt size:

XS=250mL, S = 300mL, M = 400mL, L=500 mL, XL=600mL, XXL=700 mL

6. As you finish, carry the tray with the T-shirt on top over to the designated area, and transfer the shirt onto the class board where it will sit for at least 24 hours. Make sure your shirt is not touching anyone else's.
7. If there is lots of excess dye in the tray because you used too much, pour the excess off in a sink. Then throw away the used newspaper in the trash can. Wipe off the tray with a cheap (brown) paper towel. And place a SINGLE sheet of newspaper folded in quarters on the tray for the next person.

Day 2:

8. The next day, at the end of class, place your T-shirt in a grocery bag and take it home. (Hint: Be careful not to let it stain things such as upholstered car seats as one careless student did a few years ago!)
9. When you're home and ready, go outside with a bucket/basin and a garden hose. Fill the bucket with water. Remove the rubber bands, open the shirt up (say "Ooooo" or "Ahhhhh") and place it in the bucket of water. Rinse it a few times, wring it out, then continue to rinse it with fresh, clean water until the rinse water comes out dilute enough so that you can see your hand through about 5-6 cm (2 in) of the water. You may want to wear gloves while doing this. This rinse water is safe to dump on the grass.
10. Wring out the T-shirt one final time, then wash it in the washing machine by itself (small load setting to conserve water) in HOT water using dish detergent (about 1-2 teaspoons only, no more!) such as Dawn or Joy (not laundry detergent).
11. Dry it (by machine on hot setting). Note: Most dryers have trouble drying just one item, so if you have a bunch of rags or clothes that you don't care about, throw them in there too. The first few times you wash it, you may want to wash it by itself, but after that, the shirt can be washed with other darks in cold water.

Day 3:

12. To receive credit for this lab, **wear your T-shirts** to school on the date specified by the teacher. Bring \$10 to pay for the shirt, (checks made out to KYS – all the profits go to worthy local charities). Or if you're NOT keeping the shirt, DO NOT wear it: instead, just bring the shirt in and give it to the teacher in lieu of payment.