

Save the Environment

# Paint the right way!

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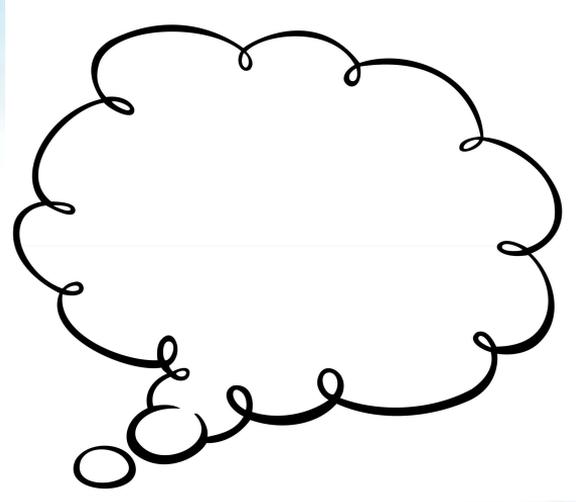
## Reason for this project:

Most people in the world do not notice it but most paints either acrylic up to spray paint have toxic chemicals in them that hurt the environment. So I made four homemade eco friendly paints. The A paint, B paint, C paint, and D paint.



## Hypothesis:

If I use safer ingredients for the paints, then it will not have an effect on the environment and be good use, because all of them have good consistency and non-toxic chemicals.



# The A Paint

1. 5 tbls of flour
2. 4 tsps of water
3. Q tsps of salt
4. 1 drop of food coloring
5. Cover it with plastic wrap



# The B paint

1. Mash 8 grapes
2. 2 tbls + 3 tsps of flour
3. 2 tbls of water
4. 2 ¼ tsps of salt
5. ½ tsps is vinegar
6. 1 drop of food coloring
7. Cover in plastic wrap



# The C Paint

1. 2 tbs of any maple syrup
2.  $\frac{1}{2}$  tsps of sugar
3. 5 tbs of water
4.  $\frac{1}{8}$  tsps of salt
5. Food coloring
6. Wrap in plastic wrap



# The D Paint

1. 1 tbls of shaving cream
2. 2 tbls of flour
3. 2 ½ tsps of water
4. ½ tsps of vinegar
5. 1 drop of food coloring
6. Wrap in plastic wrap



# Variables

## Independent Variable

I will change the ingredients which can replace the binder (The thickness), the solvent (the liquids), and the preservatives and stabilizers (Doesn't cause mold or algae).

## Controlled Variable

The things that will stay the same is the color, how I test it, and the use of the paints.

## Dependent variable

As taking notes and observing the paints for the few days, I noticed that their quality was getting better each day. The ingredients that I used for the binder, solvent, preservatives and stabilizers, turned out to be successful.

# Results

The results for the A paint was great. The only thing I should have changed was a little more dry ingredients. For the B paint, it was the same but needed a tiny bit of dry ingredients. The C paint is just like a watercolor but safer. It did not spread but is still sticky within 24-48 hours. The D paint was very light colored and you had to use more product to put on the paper. It had a lot of water (Solvents) in it.

# Conclusion

In conclusion, the experiment was to make friendlier paints for the environment and test to see if it reached the quality of the toxic paints. They became better every day. The B and C did the best so I suggest to improve those paints so we can still have an everyday use to them. I hope more people will care about the environment more and use safer paints.

