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Get Wet Project  
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For this project I didn't really have any intent. I was just experimenting with all different kinds of fluid flows. I experimented with gasoline, food coloring, corn syrup, milk, water and olive oil mixing them in different ways to see the different flows that would happen. I wasn't trying to see any particular flow phenomenon because it was my first time ever working with flow phenomenon. I just wanted to see some kind of flow phenomenon. I think the only thing I was aiming for was a vibrant color of some sort for the image. I think that in the end experimenting with all kinds of materials and techniques, gave me a good first look into how flow phenomenon work.

To create this image I used three things corn syrup, food coloring and dish soap. The setting is on a white glass plate. I first put a glob of corn syrup in the middle of the plate and let it expand to the shape that it created or gravity pulled it to. Next I took the blue liquid food coloring and dropped four droplets of that into the middle of the corn syrup. I did the same thing with some neon pink liquid food coloring. That is what gave the purple effect, the two colors mixing. The colors started to spread right away throughout the corn syrup. I waited till the corn syrup had full color throughout. I then dropped dish soap into the middle of the colored corn syrup and the colors expanded away from the soap right away. Leaving the streaks and white in the corn syrup, showing the flow effect because of the soap.

I shot the image from above the plate looking straight down on the flow. It took me about five different times of mixing the corn syrup, food coloring and dish soap before I got an image I liked. All the materials came from above the plate, being dropped down onto it from about 5-7 inches above. There were no environmental conditions. The image was shot inside. The lighting was from morning sun light from the window that lit up my front room. No flash.

- Field of view 5 inches
- Distance from object to lens 6.5 inches
- 80 mm, Nikon AF Nikkor 28-80 mm
- Digital. Original image width 3008 pixels, height 2000 pixels. Final image width 2519 pixels, height 1839 pixels. Taken with a Nikon D-50.

- Aperture f/6.3, shutter speed 1/60s, ISO setting 200
- I only cropped the image in photoshop.

The image reveals a flow phenomenon. I like the colors and the shapes of the image how you can see the blue flowing away from the soap blob. I also like the bubbles in the image. I think it adds a different element to the image. I dislike the shadow in the lower right corner it is distracting to me. The fluid physics are clear. When the food coloring is dropped into the corn syrup, which has high viscosity, it immediately spreads. One can see the shear force happening when the soap is dropped into the corn syrup. How the fluid flows away from the soap because it is a surfactant. I think I fulfilled my intent I was just trying to make some kind of fluid flow. I would like to improve on controlling of the fluid flow more. I think that if I made different shapes with the corn syrup and put the food coloring in different sections the flow could change. Maybe make the image more pleasing to look at.