

Of Macro and Micro

The Weavings of Form and Chemistry in Ceramics



Artist - Sarah Mindham Mentor - Karen Sullivan Kellogg Honors College Capstone 2012

Artist Statement

If you look beyond just a finished ceramic bowl, cup or vase, there are some complex calculations, testing, experimenting and techniques one must attempt to control in order to produce the results desired. Ultimately, it is not easy and there are many factors working against you that you must master. I have been fascinated with these facts specifically on porceiain clay.

The almost pure white quality of the clay when high fired is a very attractive quality of porcelain, and adds an extra bot fan obstacle when throwing due to the fragile make-up of the clay. I have been trying out different forms I can make in an even progression of shape resemble on the clay and the progression of shape resemble on the clay possible clay public gives a wide and then politing it back into create a vessel has become a similar and a challenge during this experimentation. It has become a similar game of how far can the clay go and flows been challenging the radiotical potenty forms by creating pieces that are fully enclosed, stepping away from functional pieces. As for glassing techniques, I really exjoy the movement the beautiful control of the control of the control of the classical pieces and the control of the control of the classical pieces. As for glassing techniques, I really exjoy the movement the beautiful control of the control of the classical pieces. As for glassing techniques, I really exjoy the movement that the control of the classical pieces are controlled to the control of the control of the classical pieces. As for glassing techniques, I really exjoy the movement that the control of the

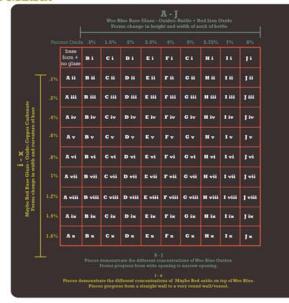
Process * All pieces made on a potter's wheel.

Firstly, I created pottery pieces to demonstrate the vocabulary of the glasse by creating 100 test cups so I could see what type of results I would get. Scoondly, I created another set of 100 forms, this time altering each piece in their shape to make the ultimate display even more interesting. Overall, in the way in which these 100 pieces are finally displayed, the viewer will be able to see a visual progression of color of the glasses, as well as a progression of state of the glasses, and the glasses of the glasses, as well as a progression of state of the glasses, as well as a progression of state of the glasses, as well as a progression of state of the glasses, as well as a progressi

Materials + Components

- 500 lbs. of Coleman Porcelain Clay (200 pieces, I. Silbs each for each pieces)
 Folter's Wowel
 18.2 S Callen Buckets
 Materials for Woo libse Base Glaze
 Materials for Wood Bloe Base Glaze
 Materials for Wood Bloe Base Glaze
 Materials for Wood Bloe Base Glaze
 Materials for Maybe Red Base Glaze
 Conides Ruids, Sed Iron Oxide and Copper Carbonals
 Executive Sing for Busque Tire
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The Matrix



























- A detail of of a glazed test cup.



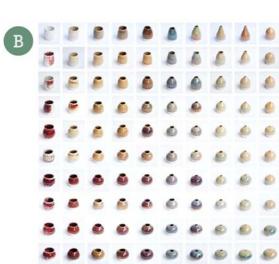




Conclusion







- These are all 100 of the final pieces as bisque. Here you can easily see the form progression. I started at the top left corner with a cylinder form. Then as the pieces move to the right in the rows the opening gets smaller and smaller. Finally, as the pieces go down the columns the pieces become more round and curved.
- These are all 100 of the final pieces with glaze and are completely finished. As the pieces move right across the rows the concentration of oxides in the Woo Blue base glaze increase. Noxt, as the pieces go down the columns the concentration of oxides in the Maybe Red base glaze increase. I glazed the pieces with Woo Blue first and then applied the Maybe Red on top, so you are seeing an overlap and those effects as well.