

# THE OHIO STATE UNIVERSITY

## CERAMICS

### POLAR BEARS

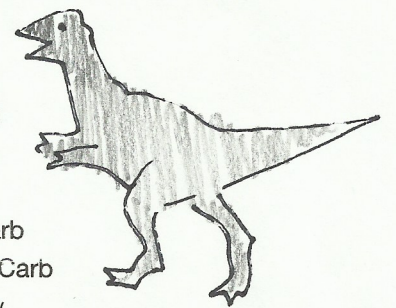
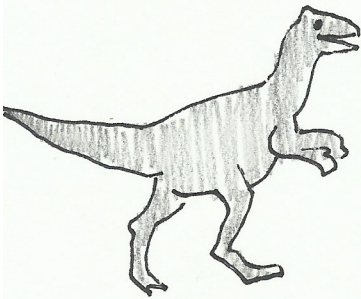
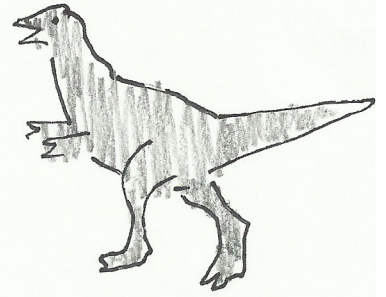
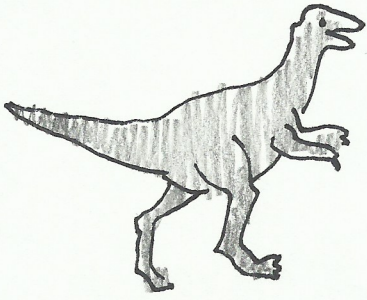


### DINOSAURS

## 2013

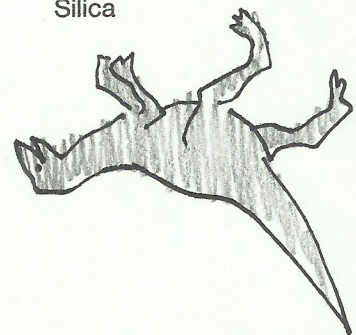
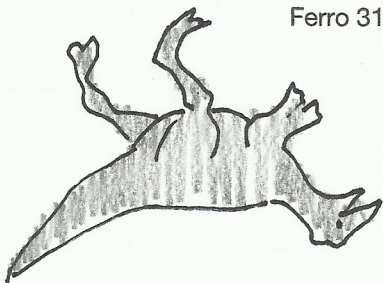


J P 0 Z B R A C M I U H T I L D B  
M X 1 X D Q C H E L M A R O E U R  
T M 1 M I A K M N A T R A D E R A  
L B 3 B A L U M I N A Q F L W G C  
A M O F D T T O C F M X U R H X M  
B H R L K K X F H D Z K N O R I U  
O V R K Z P P M N E P H S Y B E I  
C M E T Y O D E P K A O L I N T R  
T H F E X D I L U E A C I S N R A  
B R A C M U I S E N G A M T E A B  
V R U I N Y T X C R J U M S N D Q  
S T N K I L X P U Y J Z O G R L O  
I K V C C F V E S E M O R H C O J  
L Q T U K V J K T C C I K T Z G E  
I C G L E X C E E G R E P P O C Z  
C W V O L G G U R B P E T S O T B  
A F E R R O 3 1 2 4 X F T Q Z O Z

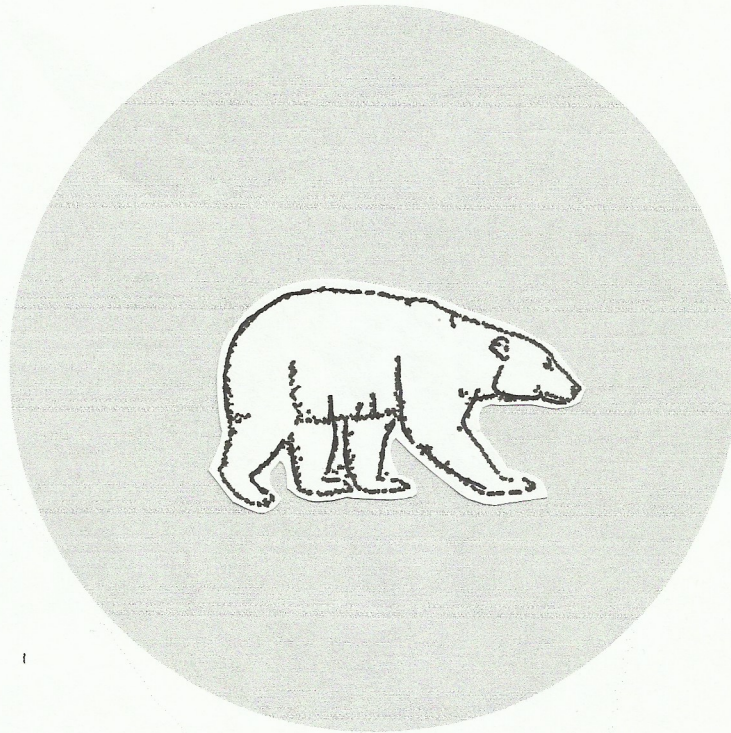


Alumina  
Barium Carb  
Chrome  
Cobalt  
Copper  
Custer  
EP Kaolin  
Ferro 3110  
Ferro 3124

GoldArt  
Helmar  
Iron  
lithuim Carb  
Magnesium Carb  
Neph Sy  
Nickel  
Redart  
Silica

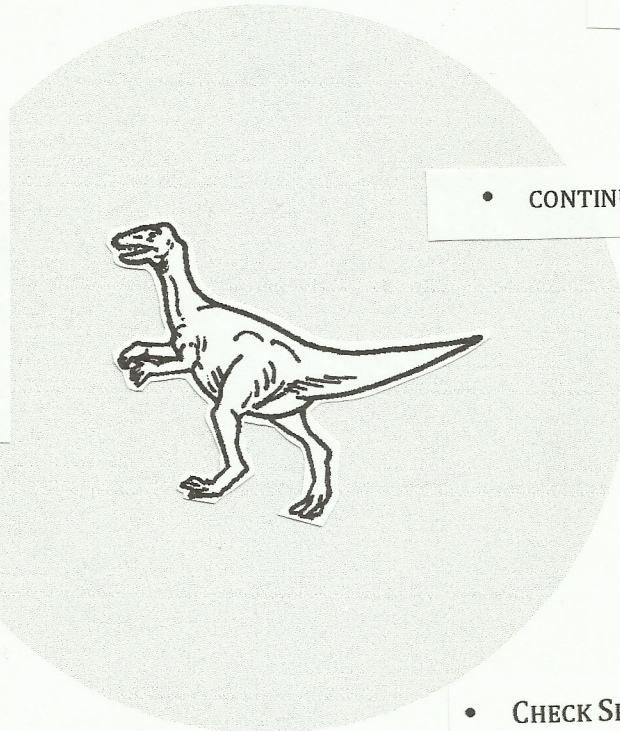


## • PORCELAIN SLIP CASTING BODY



### • R HARVEY

- MAKES A BUCKET FULL
- WEIGH OUT 5000 GRAMS OF WATER
- ADD 40 GRAMS LIQUID DARVAN
  - BLUNGE
- ADD 50 GRAMS BENTONITE



### • CONE 6 - 9

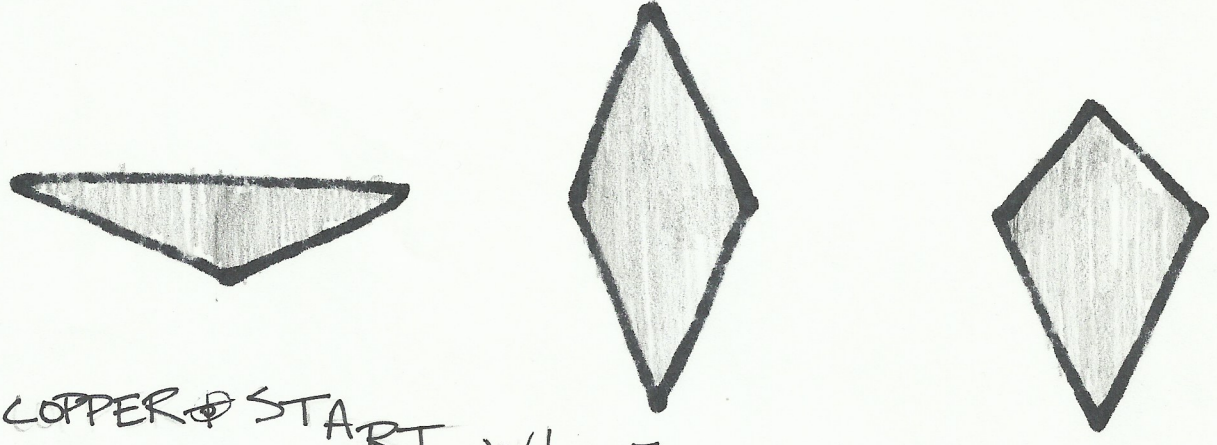
- CONTINUE BLUNGING AND ADD:

- 2600 SILICA
- 3400 KONA
- 4000 GROLLEG

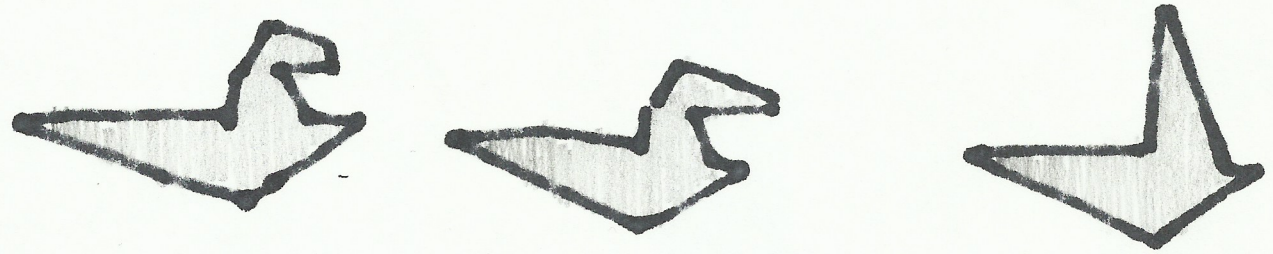
- CHECK SPECIFIC GRAVITY

- WEIGH OUT 100 CC, 174.1 IS PERFECT BUT YOU CAN BE FROM 168 - 179

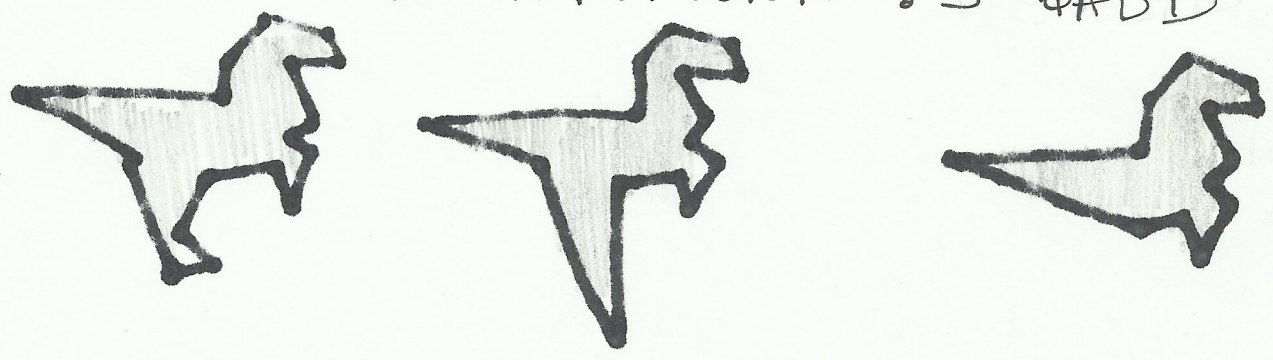
RUN TWICE ⊕ ONCE W/ IRON AND ONCE



W/ COPPER ⊕ START W/ .5 IRON OXIDE ⊕ ADD TO



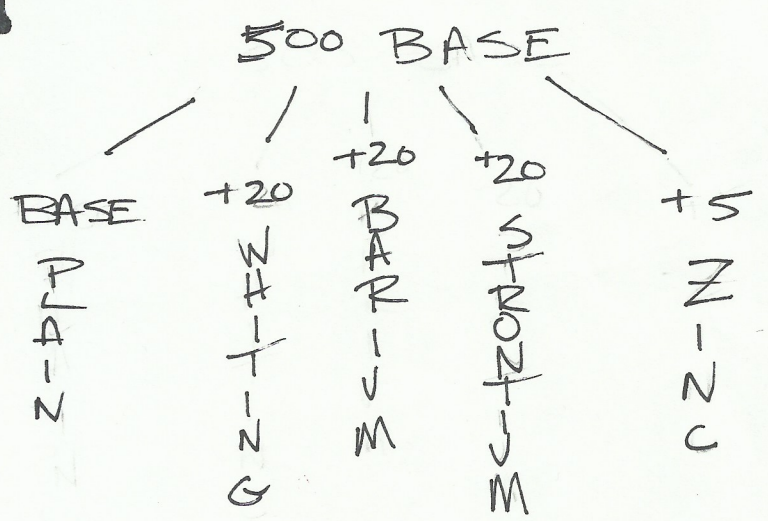
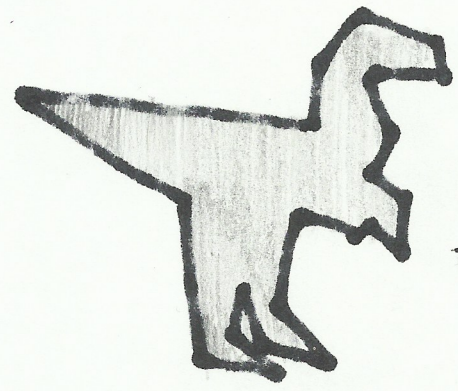
EACH CUP ⊕ ADD ADDITIONAL .5 ⊕ ADD

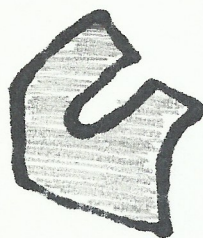


ADDITIONAL 1 ⊕ ADD ADDITIONAL 5 ⊕ FOR COPPER

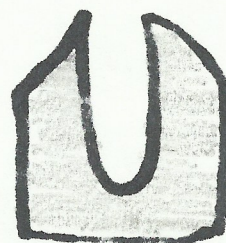
USE:

- .5 = .5
- + .5 = 1
- + 1 = 2
- + 1 = 3
- + 2 = 5

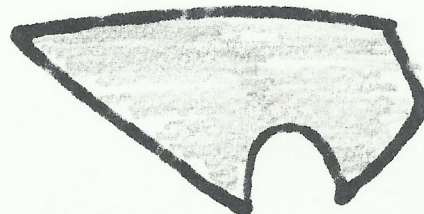
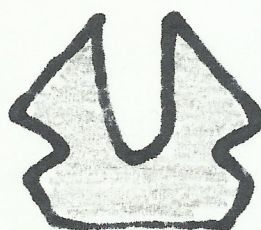
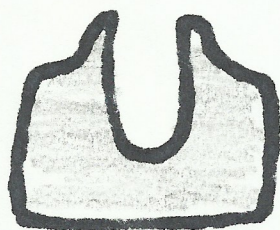




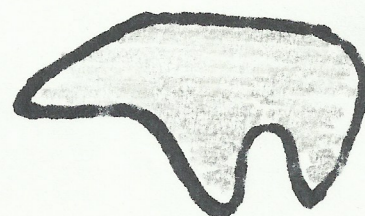
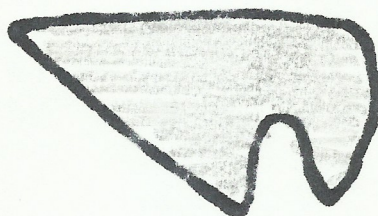
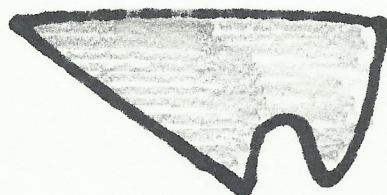
TO TEST THE EFFECTS OF VARIOUS OXIDES



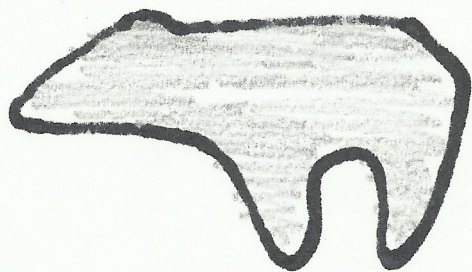
OF A GLAZE ON COLOR DEVELOPMENT ⊕ MIX 500



GRAMS BASE ⊕ DIVIDE INTO 5 NUMBERED CUPS ⊕



CUP #1 IS BASE ⊕ CUP #2 IS BASE + WHITING 20

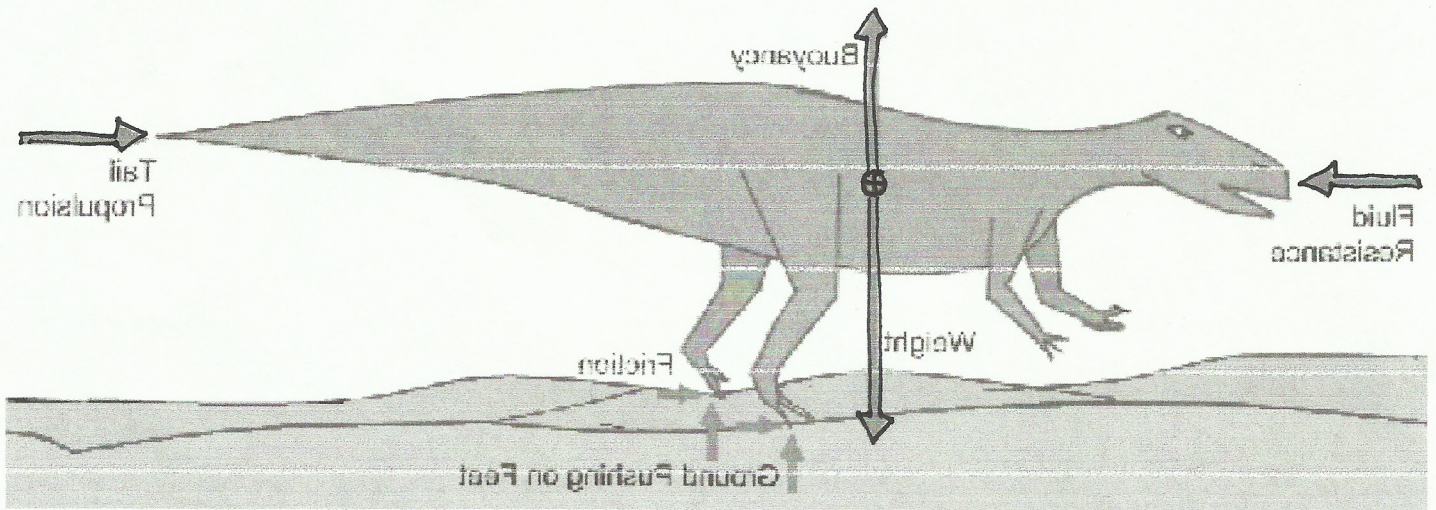


CUP # 3 IS BASE + 20 BARIUM

CUP # 4 IS BASE + 20 STRONTIUM

CUP # 5 IS BASE + 5 ZINC

Forces acting on a dinosaur while it is moving quickly through the thick Mesozoic atmosphere

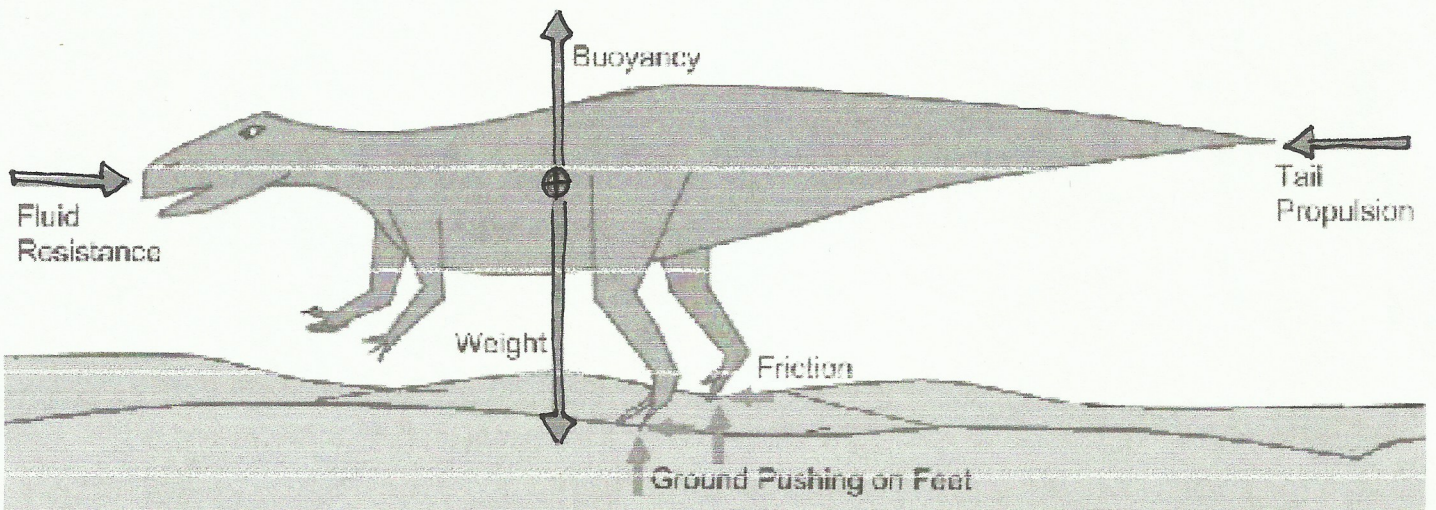


To turn a clay into a glaze:

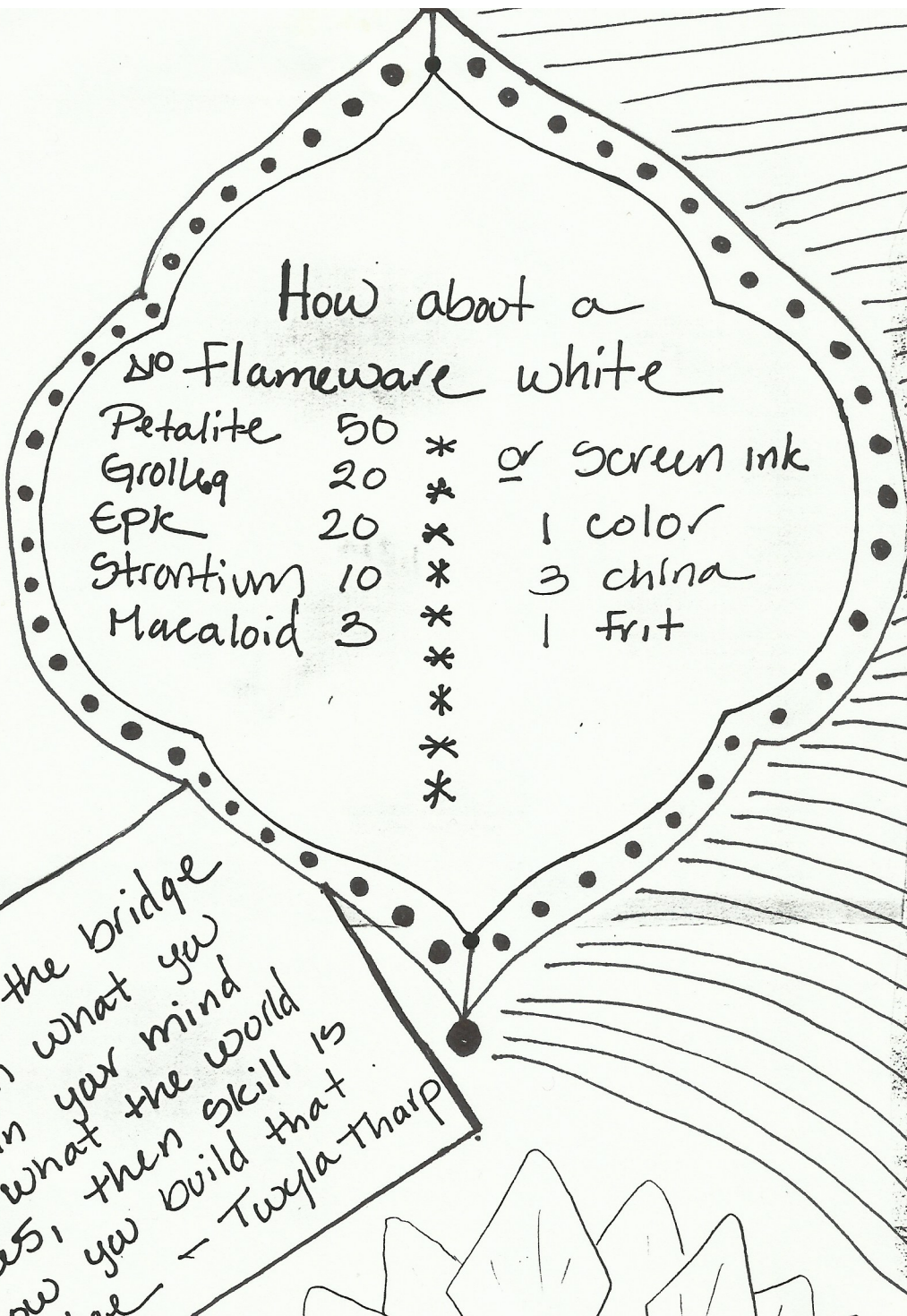
Start with 500 grams of dry clay  
Add 10 grams of your best feldspar or frit - test  
add 10 more grams - test that  
add 10 more grams - try that one too  
Keep going until all your clay is gone

Fire  
Admire

Forces acting on a dinosaur while it is moving quickly through the thick Mesozoic atmosphere







How about a

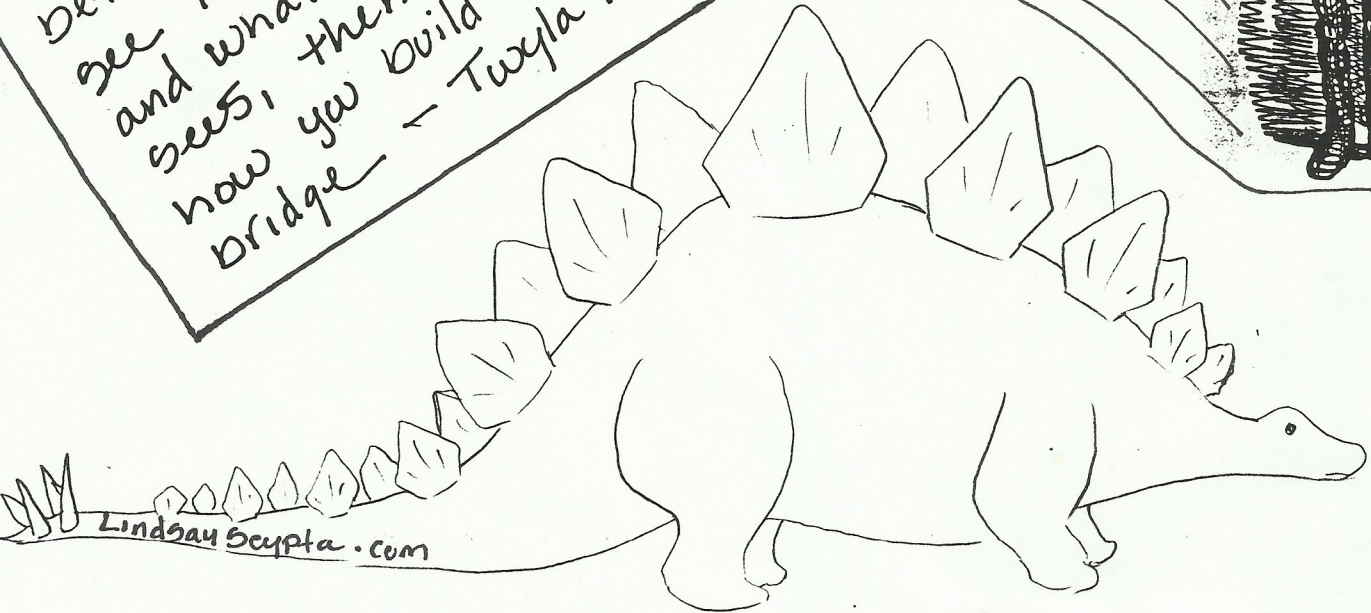
50 Flameware white

Petalite	50
Grolleg	20
Epk	20
Strontium	10
Macaloid	3

\*  
\*  
\*  
\*  
\*  
\*  
\*  
\*

or screen ink  
1 color  
3 china  
1 frit

If Art is the bridge  
between what you  
see in your mind  
and what the world  
sees, then skill is  
how you build that  
bridge - Twyla Tharp





**Level 04 Semi-Matte**



**Frit 3134**

**32**



**Wollastonite**

**30**



**EPK**

**20**



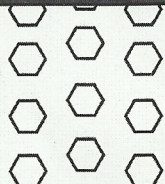
**Lithium Carbonate**

**8**



**Silica**

**10**



*Matt Bright*

# Dinos

## Nukem Black Clay DIORX

OM4	29.2
EPK	21.9
Blackbird	21.9
Newman's Red	14.6
custar	8.8
Silica	3.6
<hr/>	
	100

## Megalosaurus Red Shino DIORX

Neph Sy	40
Spectumene	30
OM4	17
Soda Ash	8
EPK	5
<hr/>	
	100

# VS.

# Polar bear

## Ice Blue Porcelain DIORX

Grölleg	56
Gr200	25
Silica	25
<hr/>	
	100

## Shaved Polar Bear Satin Matte DIORX

Custar	49.5
Whiting	2.1
EPK	24.7
Dolomite	21.7
Gerstley	2
<hr/>	
	100
+ tin oxide	4%

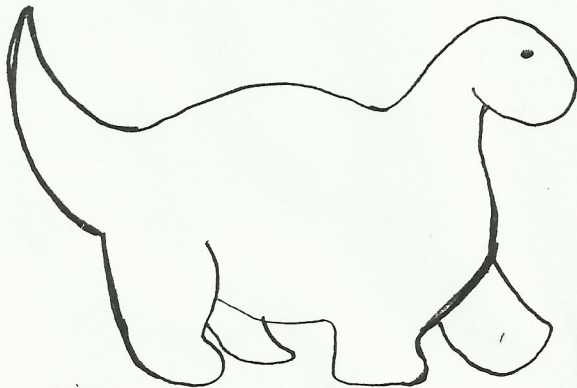


Ashley Neukamm

# Dinosaurs V.

## Polar Bears

Really who do you think is going to win? Who's currently extinct?



To make your glaze all nasty like a Dinosaurs skin take your base glaze lets say Hamada Green now liberally add any one or a combination of these materials and things will get crazy.

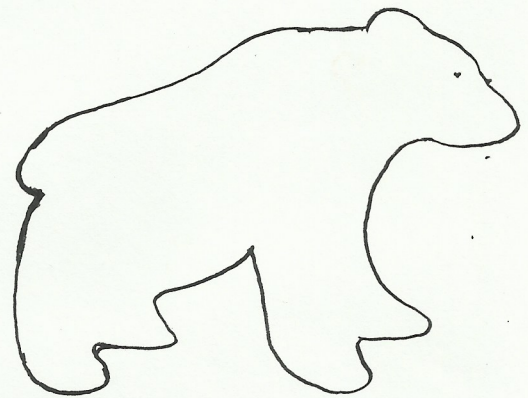
Silicon Carbide  
Formula: SiC  
Alternate Names: SiC

Cryolite  
Formula: Na<sub>3</sub>AlF<sub>6</sub>  
Alternate Names: Cryloite, Sodium Fluoaluminate, Kryolith

Fluorspar  
Formula: CaF<sub>2</sub>  
Alternate Names: Fluorite, Calcium Fluoride, Blue John

### HAMADA GREEN ΔIORX

Custer Feldspar	—	56.4
Whiting	—	9.8
OM4	—	1.3
Strontium Carb.	—	2.5
Zinc Ox.	—	10
<hr/>		
Copper Carb.	—	5
Rutile	—	1
Red Iron Oxide	—	1.25



If I were a polar bear I would be made of the finest of white clays and covered with the softest and most durable of white glazes.

### The Bones ΔIORX

Grolleg — 50  
Flint — 25  
G-200 — 25

### The Skin ΔIORX

Soft White  
G-200 — 45  
Wollastonite — 20  
Barium — 20  
EPK — 15

Hard White  
Flint — 28.6  
Whiting — 21.4  
G-200 — 28.6  
EPK — 21.4  

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Zircopax — 10

Flash-O-Pink  
Konaspar — 35.5  
Whiting — 14.2  
EPK — 14.2  
Zinc Ox. — 7.1  
Barium — 7.1  
Neph.Sy. — 21.3

