



CERAMICS!

A brief explanation of the clay process.

Created by Mr. Devin T. Hanson

3 MAJOR TYPES OF CLAY

- Clay that is fired at a **low** temperature.
 - Ex: Red Art, Raku



EARTHENWARE

- Clay that is fired at a **high** temperature.
 - Ex: Buff, Black



STONEWARE

- The most **fragile** of clays.
 - Delicate and pure white. Very challenging.



PORCELAIN



5 MAIN CERAMIC SKILLS

- Clay is formed with your **hands** and nothing else.



PINCH

- Clay is **rolled** into “snakelike” pieces and slipped and scored together.



COIL

- Clay is flattened into **sheets** using a rolling pin or slab rolling machine.



SLAB

- Using a **pottery wheel** to manipulate clay in an organized way.



THROWING



- Usually created using **plaster**. Allows for multiple reproductions.



MOLDS



3 STAGES OF DRYING CLAY

- Clay is **flexible** and can be easily worked with.



PLASTIC

- Clay can only be **carved** at this stage. Not too wet, and not too dry.



LEATHER HARD

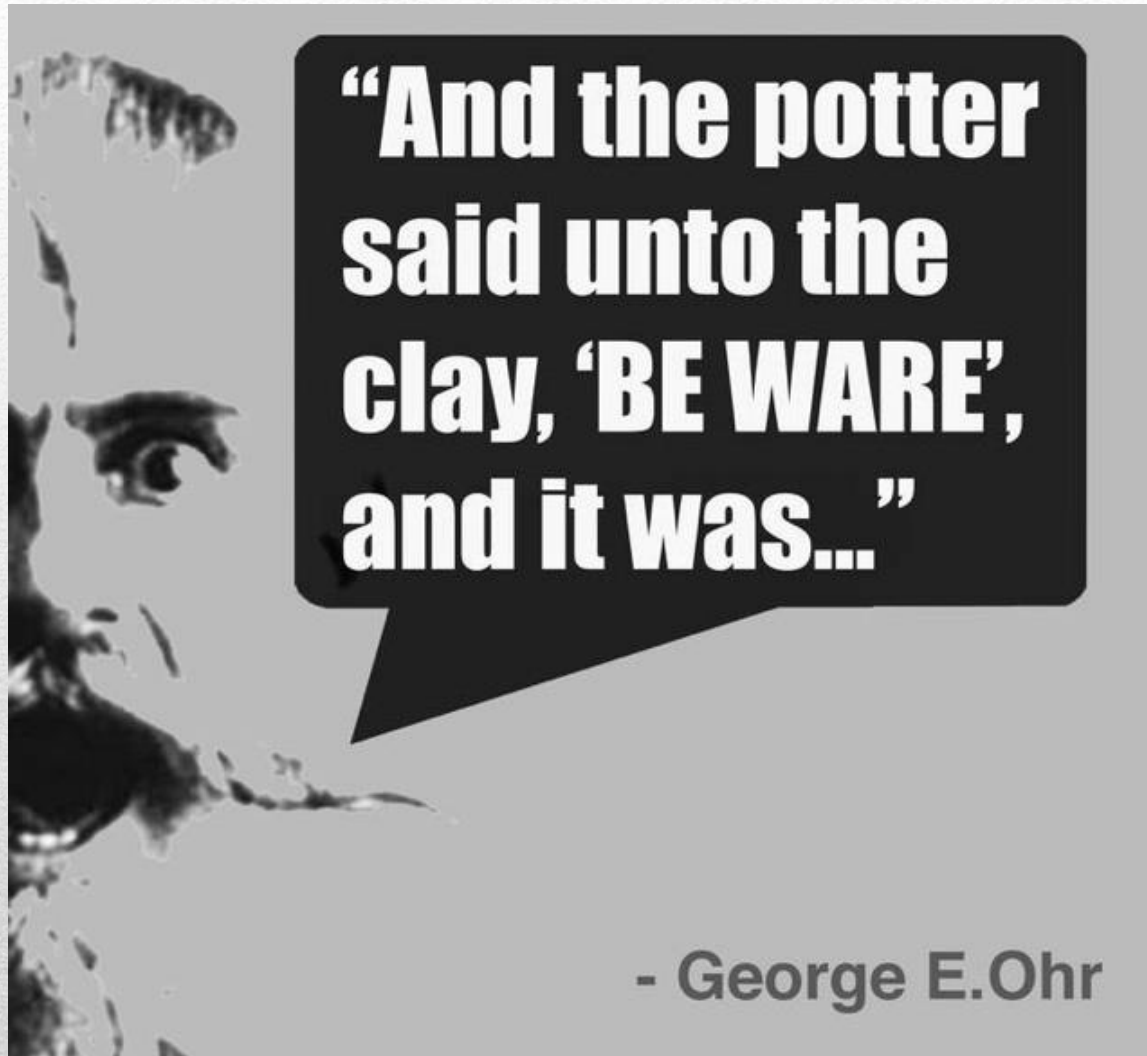
- Clay's **final** stage of drying. It must be bone dry to go into the kiln.



BONE DRY

3 STAGES OF CERAMIC WARE

- “Ware” is a fancy word for “Pottery.”
-



**“And the potter
said unto the
clay, ‘BE WARE’,
and it was...”**

- George E.Ohr

- Clay is still wet, but **unfired** at this stage.



GREENWARE

- Clay has been fired **once**, and is usually a light pink color.



BISQUEWARE

- Clay has been fired **twice**, and is a finished product at full strength.



GLAZEWARE



COMMON CERAMIC VOCABULARY

- Clay in **liquid** form. Used for slipping and scoring, along with decoration.



SLIP

- Liquid that undergoes a chemical reaction during firing and creates a **glassy** finish.



GLAZE

- A paint-like liquid that goes onto a clay body before glaze.



UNDERGLAZE

- Small **sand/rock** particles in clay that strengthen a clay body.



GROG

- A large oven made of **soft-brick** that hardens the clay or conditions the glaze.



KILN



MANY KILN TYPES!



CERAMICS CLUB RAKU TRIP

- Kneading the clay into a cone shape to eliminate **air bubbles**.



WEDGING

- Making marks with a toothed rib on two pieces of clay you wish to **attach**.



SCORING

- Added to **scored** pieces of clay in order for them to bond together.



SLIPPING



TOOLS

WHEEL TOOLS





WIRE CUTTING TOOL



THROWING SPONGE



WOODEN RIB



SMOOTHING TOOL



TRIMMING TOOL



COMMON HAND-BUILDING TOOLS



LOOP TOOL



FETTLING KNIFE



NEEDLE TOOL



TOOTH RIB



CLEAN-UP TOOL



RUBBER RIB

