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| **Clay Cake Box inspired by Wayne Thiebaud** | 1Emerging | **2**progressing | **3**Meeting goal | **4**Exceeding goal |
| **Criteria:**3D sector of a cylinder box or a rectangular solid constructed with slab construction with a lid that fits in placeglazed to look like a realistic piece of cake | Begins to meet criteria | Meets most of the criteria | Meets criteria | Exceeds criteria |
| **Creativity:** Unique clay design and / or application of glaze | Clay design and/or glaze application does not show an original idea and looks very similar to example.  | Clay design and/or glaze application does not show an original idea and is somewhat similar to example. | Clay design and/or glaze application is unique and shows some risk. | Clay design and glaze application shows creative risk and a unique approach. |
| **Craftsmanship:** Clay construction and control of texture**.** | Craftsmanship is lacking. Clay piece has several broken pieces. Clay textures are not controlled. Clay pieces are not well attached.There are many obvious cracks/ broken pieces in clay. | Good craftsmanship in the piece overall. There may be inconsistent control of texture. Some areas are not attached well. There are some cracks/ broken pieces. | Very good craftsmanship in the piece. All clay seems to be well attached. Clay textures show some control. | Excellent craftsmanship. Precise and neat clay work with no broken parts. Clay textures are carefully controlled. |
| **Craftsmanship:**Glaze/ color application  | Color and/or glaze finish is not carefully applied and is very uneven. | Color and/or glaze finish is somewhat carefully applied and is somewhat uneven. | Color and/or glaze finish is carefully applied and is fairly even. | Color and/or glaze finish is even and is carefully/neatly applied.  |
| **Effort/Use of Class time** | Students did not use class time effectively. Minimal effort. | Students used most of their class time to effectively work on their project. Inconsistent effort. | Students made very good use of their class time to effectively work on their project. Good effort. | Students used all available class time to effectively work on their project. Excellent effort. |
| **On time:****Ready to be glaze fired by 2/28/2017****(date is subject to change- it will be announced)** | Project ½ done or less for due date.  | Project ¾ complete for due date. | Project mostly complete for due date. | Project complete for due date.  |
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**Student total \_\_\_\_/24 Teacher Total \_\_\_\_\_/24**

1. I would title my sculpture \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. My favorite thing about my sculpture is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The volume of my finished sculpture is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If you have a sector of a cylinder-

Measure your sculpture to find the height and the radius.

Use a protractor to find what portion of 360 degrees is the angle of your cake.

Please show work below including a diagram of your cake.

 Volume=πr²h for the whole cylinder h=height, r=radius of circle

Divide by the fraction of the cylinder your piece represents.

If you have a rectangular solid:

Volume=width x height x length