

Project Title: Glass Fuse to stick

Did you meet your goal? _____

What is your next step? _____

Project Title: Glass Full fuse

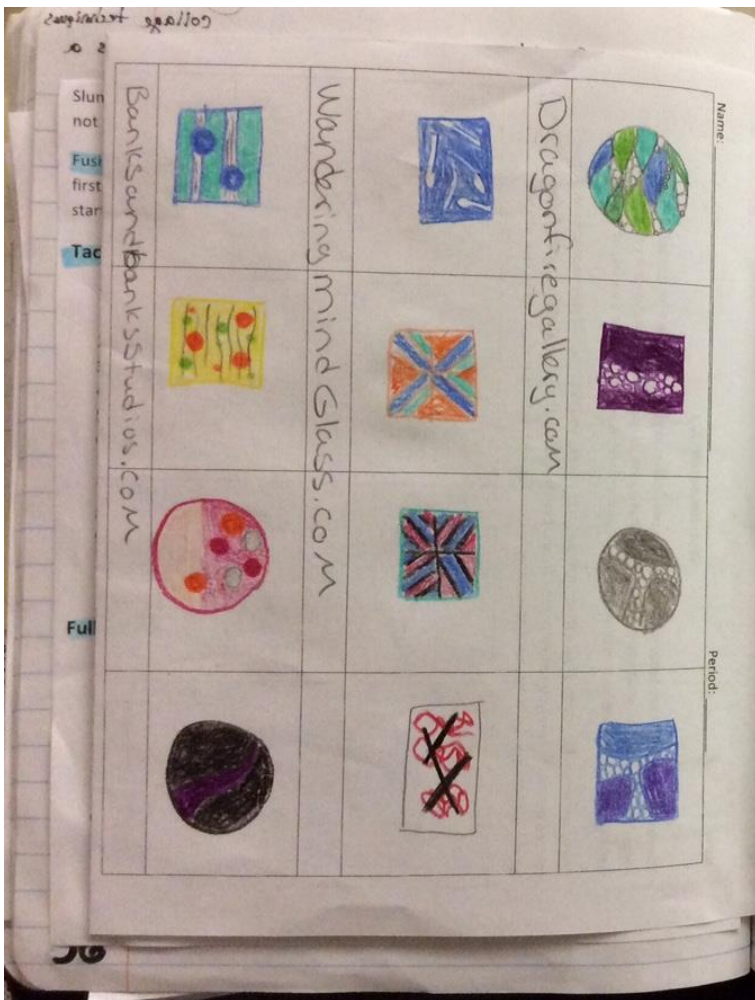
Did you meet your goal? _____

What is your next step? _____

27. Score line - A light scratch on the surface of the glass made by a glass cutter

28. Glastac - Glue that holds the glass in place until being fired.

29. Frit - Sand sized pieces of glass



Glass

Ⓡ I can use various glass fusing techniques

Things to remember:

1. Always wear protective eye wear
2. A fully colored claim ticket must be made for every project
3. You only need a tiny bit of Glastac (glue) to hold the pieces together
4. Glass must be 2 full layers (1/4 inch) thick
5. Use frit to fill in any cracks or empty spaces
6. Ask if you are unsure about anything
7. Be very careful with your glass
8. You need to clean up after yourself very well!
9. I have lots of extra Band Aids ☺

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Slumping glass describes the process of melting a piece of glass into a mold in a kiln. Often, but not always, it is a piece of fused glass that is then slumped to form a bowl or a plate.

Fusing and slumping are two separate processes that have to be done in order. The flat fuse is first, as the glass needs to be heated at a higher temperature than for slumping. Usually, you start with the hottest and move to the coolest process when firing glasswork.

Tack Fuse:

1. Start with a pre-drawing; you need a plan before you can start. (Not the same as the claim ticket) - make sure to color it
2. Fill out a claim ticket - must have your name and be fully colored
3. Use the gloves and find the glass pieces you want from the scrap bins
4. Cut the pieces to fit your design - like a puzzle they must line up
5. Use the grinder to smooth edges, fix imperfection or make curved edges
6. Clean each piece with soapy water, rise, and dry - don't put any more fingerprints, hold on the edges
7. Any oil or fingerprints will be permanently fired if you don't clean it thoroughly
8. Now you can start putting the glass pieces together on the clear base
9. Use a small amount of Glastac to glue the colored glass to the clear glass
10. Once all the pieces are glued, use frit to fill in any gaps or holes in between glass pieces
11. Place on shelf with claim ticket

Full Fuse:

1. Choose the mold you are going to use.
2. Get a clear glass piece that matches the mold
3. Same set up as tack fuse
4. Once fired, you'll have a flat fused piece of glasswork - sometimes called a 'blank'
5. Once fused, the glass needs to fit to the edges of the mold. If it hangs over more than 1/4" (6mm) it runs the risk of cracking during firing.
6. Grind off excess glass to fit the mold
7. make sure your fused 'blank' is spotlessly clean. Any greasy marks will fire permanently on.
8. Place on claim ticket when ready to be slumped - make sure to put which mold you are using so the correct one is used to slump

Web Research Day

Name: Ms. Swenson

Period: _____

Below are boxes for you to draw a thumbnail sketch of images you like. You will also need to color it in with colored pencils to help you remember the colors. Each thumbnail should be a different idea. Below each box, list the website you used. You cannot use images from just one website (I want you to look around!).

Ⓡ I can use various glass fusing techniques

Spectrumglass.com

Tedbachglass.com

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Be Safe When Working With Glass

6. What are the rules surrounding the grinders?

- Only one student is allowed at a grinder at any one time.
- Check the water level before starting the grinder.
- Only grind on the large grinding head, as water must ALWAYS be moving through while cutting glass.
- Always wear safety glasses when grinding EVEN IF YOU WEAR PRESCRIPTION GLASSES!
- Keep your sleeves pushed up so you don't get glass powder on your sleeves.
- Sign up for a turn on the grinders on the white boards - you get 5 minutes in a turn, we have to share them!

7. What are the general rules for working in the glass classroom?

- Students are to work on their own pieces, at their assigned spots to avoid accidents.
- Ask for help if you have any questions.

8. When do you use the breaking pliers?

- Use breaking pliers when your scoring is on small pieces of glass.
- Use the pliers to hold the piece and to pull the small section off.

9. When do you use the running pliers?

- Use running pliers when you are breaking scored glass.
- Use the pliers to hold the piece of scored glass and match the score with the line on the pliers.

10. Explain how to safely make frit.

- Put glass pieces in the Frit Maker.
- Wear safety glasses.
- Smash the glass in the frit maker until you get the desired frit size.
- Place frit into a small container.
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Glass Safety

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I will follow all safety procedures with the glass and the tools. If I do not, I will lose the right to work with them

Melissa Swenson
2/22/17

Be Safe When Working With Glass

Glass Safety