

STEAM Activity for Primary School Students

Make your own footprint cast



Equipment and Materials

- Foam core board
- Stanley knife or scissors
- Cutting mat
- Hot glue gun
- Plaster of Paris or Dental Stone
- Water
- Large snap lock bag
- Measuring cup
- Footprint
- Brush

Method

Building your casting frame:

1. Cut your foam core into 4 pieces, make sure the pieces are longer than the length and width of your footprint
2. Glue the foam core pieces into a box using the hot glue gun

Making Cast

1. Measure your plaster and use the instructions on the pack to determine the amount of water needed. You want to make enough plaster to sufficiently cover the footprint.
2. Mix the water and plaster until it is the consistency of pancake batter.
3. Place your casting frame around the footprint and pour the plaster over the footprint.
4. Leave plaster to set.
5. Once your plaster is set, carefully remove the cast from the crime scene, you may need to dig under the cast with a shovel.
6. Carefully clean your cast using a brush.
7. Now compare your cast to the shoes of the suspects.