Purpose: The purpose of this lab is to design a reflective hologram and create a procedure so others can as well.

Procedure:
1. Pot underexposed warm plates and seal
2. Position diode laser (with no lens) in sand (to stabilize)
3. Position hologram objects
5. Turn off lights & replace test plate w/unexposed plate front & laser.

6. Place cardboard box over plates & materials to shield from laser.
7. Turn on laser & hologram plate.
8. Quickly & carefully remove box.
9. Expose for ~30s
10. Place box back over.
11. Turn laser off.
12. Pot plate in bag & seal

Turn:
13. Setup 4 glasses with:
   - 1. Tank full of developer
   - 2. Retype
   - 3. Emulsion
   - 4. Distilled water for rinse

14. Place hologram in tray for ~20s until holographic plate is completely black.
15. Rinse 20s - 3min.
16. Bleach until plate is completely clear and then bleach for another 10-20s

17. Rinse 20s-3min

18. Hang up to dry & wait a day to fully develop