

# EEG Recording Checklist

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## Prior to arrival

1. Print:
  - Consent form
  - Information sheets
  - Payment sheet
  - LHQ
2. Fill syringes with gel
3. Assign participant number
4. Run stimShuffle script
5. Launch E-Prime and change instructions for the current subject
6. Connect EEG system to fiber optic cable
7. Confirm sampling rate at 512 Hz (1/32) (Decimation)
8. Set ActiView config file as BILSWED
9. Confirm settings:
  - High pass at 0.05 Hz
  - Low pass at 100 Hz
  - Sampling rate at 512 (Decimation 1/32)
  - Reference: None (raw)
10. Set up Swedish keyboard
11. Wash hands

## Participant arrival and setup

1. Welcome participant
2. Consent form
3. Give participant Language History Questionnaire and a writing utensil

## Capping

1. Measure head size around and ear-to-ear
2. Gel and place mastoid electrodes
3. Place cap on participant and put gel in each hole
4. Attach electrodes to cap
5. Place additional electrodes:
  - (a) Mastoids: Left = EX1, Right = EX2
  - (b) Outer canthi of both eyes (2 electrodes): Left = EX3, Right = EX4
  - (c) Above (EX5) AND below (EX6) left eye (2 electrodes)
6. Attach electrodes to system
7. Check high and low bandpass (.05 - 100 Hz)
8. Check sampling rate (512 Hz (1/32))
9. START
10. Resolve electrode issues – offset, gel, etc.
11. START FILE
12. Enter “f\_” followed by subject number and initials in “Enter Local Subject Identification”
13. Select “A1 - B32” under “Save subset:”
14. Make sure to check “Add 8 EX electrodes”
15. Save file in “C:\Users\S2CH\Desktop\Data\SWOP\Pilot” as “f\_” followed by the subject number and initials

## Experimental session

1. Seat participant in chair
2. Double check instruction file for subject number
3. Remind:
  - Don't blink your eyes during the sentences
  - Leave your hands on the keys
  - Try to move as little as possible
  - There will be pauses every 48 sentences – about every 6 minutes
  - If you need a break in addition to these, press “P” while “??” is on the screen
4. Press the pink “Paused” button in ActiView
5. Launch experiment and put in subject number

## Next steps

1. Remove cap
2. Swedex – SurveyMonkey
3. Set SCT timer: Timer
4. SCT – SurveyMonkey
5. Stroop
6. Navon
7. English Proficiency – SurveyMonkey
8. Debrief
9. Copy ID card back/front
10. Pay money and sign form
11. Clean up