Music and Memory Testing Protocol

<u>Scan Session 1</u>
- pre scan
  - LOI & consent – Binder
  - demographic questionnaire – https://goo.gl/forms/Zp7qGR7YGqVGJD2X2 (Bookmarks)
  - full set of lyric modification questions (MATLAB script)
- fMRI scan
- post scan
  - preference ratings (play songs) (Bookmarks)
  - A: https://goo.gl/forms/PjphRKUPgSoJcqtn2
  - B: https://goo.gl/forms/zfbWt6ucTUXpIH273

<u>Lab Session 1</u>
Open the music player, the associations form, and the preference ratings form.
Have the participant complete the associations and preference ratings form after each song.
Pause the songs in the music player if needed.
After listening – do the lyric modification task
- Listen to each song
- After each song, describe associations (Bookmarks)
  - A: https://goo.gl/forms/OLk4AQ5iYnL041eb2
  - B: https://goo.gl/forms/yf2FkXc8PDbmwlsp1
- After each song collect 'like' ratings (Bookmarks)
- subset of lyric modification questions (MATLAB script)

<u>Lab Session 2</u>
Open the music player, the preference ratings form, and the GMSI demographic questionnaire
Have the participant complete the preference ratings form after each song. Pause the songs in the music player if needed.
After listening – do the lyric modification task and the GMSI demographic questionnaire
- Listen to each song
- After each song collect 'like' ratings (Bookmarks)
- subset of lyric modification questions (MATLAB script)
- GMSI: https://goo.gl/forms/jjcuf85CUHyIdB0j1 (Bookmarks)

<u>Lab Session 3</u>
Open the music player and the preference ratings form.
Have the participant complete the preference ratings form after each song. Pause the songs in the music player if needed.
After listening – do the lyric modification task and the GMSI melodic memory task
- Listen to each song
- After each song collect 'like' ratings (Bookmarks)
- subset of lyric modification questions (MATLAB script)
- melodic memory – GMSI

<u>Lab Session 4</u>
Open the music player, the preference ratings form, and the lyric orientation questionnaire.
Have the participant complete the preference ratings form after each song. Pause the songs in the music player if needed.
After listening – do the lyric modification task, the GMSI melodic beat perception task, and the lyric orientation questionnaire

- Listen to each song
- After each song collect 'like' ratings (Bookmarks)
- subset of lyric modification questions (MATLAB script)
- beat perception – GMSI
- Lyric Orientation Questionnaire (Bookmarks)

<u>Scan Session 2</u>
- pre scan
  - full set of lyric modification questions (MATLAB script)
  - full set of old vs new melody test (group A vs B songs) (MATLAB script)
    - **play examples of 'weird' songs before starting**
  - 'like' ratings (play bits of songs to remind participant) (Bookmarks)
- fMRI scan