Cortical gyri and sulci

From Gray’s Anatomy
(the book!)
Peri-sylvian cortical areas are associated with language
Cortical Areas Involved in Phonemic Processing

**Inferior Parietal Lobe**
- SMG: supramarginal gyrus
- AG: angular gyrus

**Temporal Lobe**
- H: Heschl's Gyrus
- aSTP: anterior superior temporal plane
- pSTP: posterior superior temporal plane
- STG: superior temporal gyrus
- MTG: middle temporal gyrus
- STS: superior temporal sulcus
- I: Insula

**Inferior Frontal Lobe**
- 44, 45: Broca’s Area
- PCG: precentral gyrus

(from Caplan and Gould, 2003)
Premotor Cortical Areas

Somatotopic organization of the medial and lateral motor cortex in the monkey, showing the arm and leg representations. (ArSi, arcuate sulcus, inferior limb; ArSs=arcuate sulcus, superior limb; CS=central sulcus; M1 =primary motor cortex; PMd=dorsal premotor area; PMv=ventral premotor area; PS=precentral sulcus; SGm=superior frontal gyrus, medial wall; SMA=supplementary motor area; pre-SMA = presupplementary motor area; SPcS=superior precentral sulcus.) (From Dum and Strick 1996.)

PNS, p. 757