

Gender Differences in the Brain

Female Brains

left hemisphere develops earlier than the right

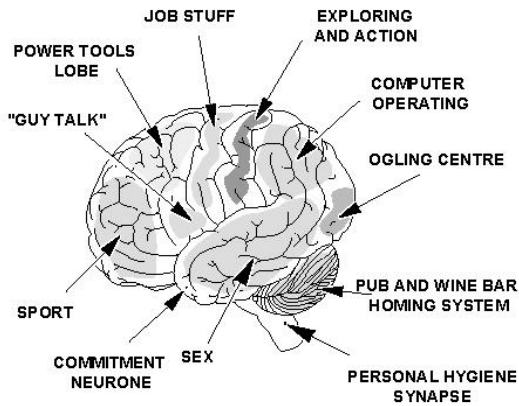
larger corpus callosum/more fibers

monthly fluctuations in progesterone and estrogen
less of it boosts scores on spatial and math, more of it increases verbal and fine motor skills

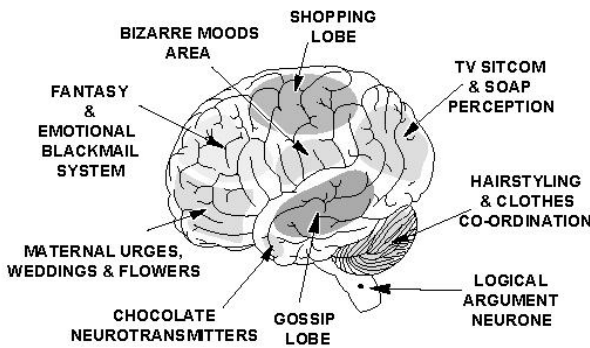
Have 20-40% higher levels of serotonin which is linked to fearfulness, shyness and low self confidence and obsessive compulsive behavior

have better sense of smell and hearing

THE MALE BRAIN



THE FEMALE BRAIN



Male Brains

- Right hemisphere develops earlier;
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- impacts discipline and preferences in sports
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- testosterone helps abstract manipulations and spatial skills like science, math and sports
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- also aids in habit formation
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- brain is more compartmentalized in usage and smaller corpus callosum
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- have lower levels of serotonin which are linked to impulsive aggression, suicide and explosive rage.