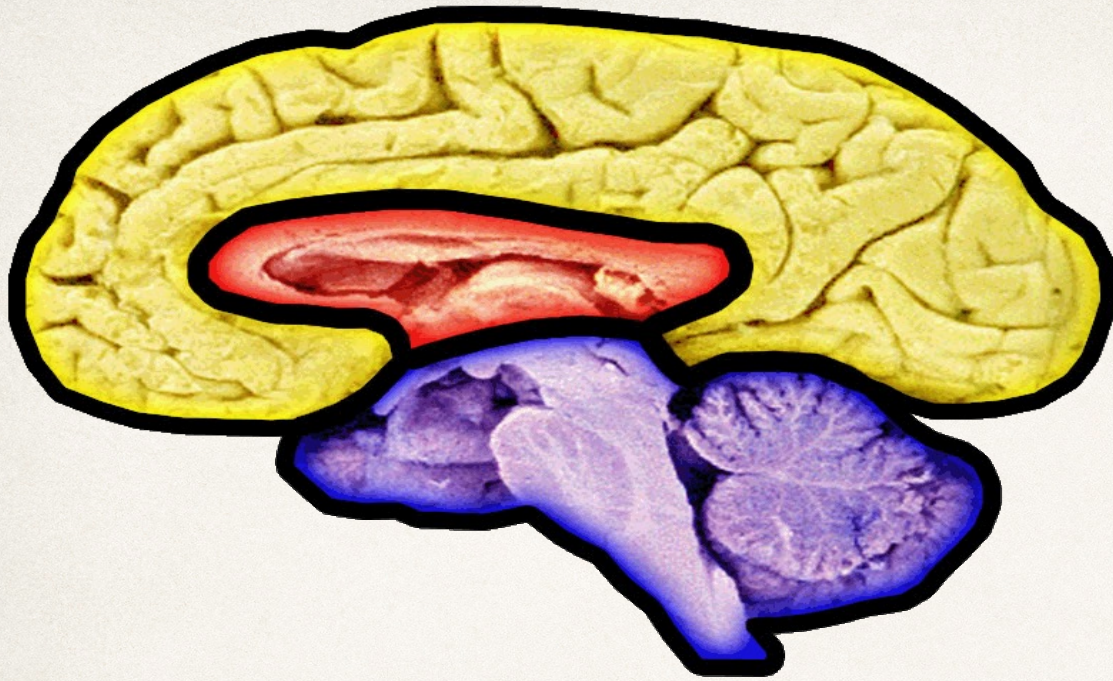




- 
- ❖ **3 Parts** of the brain can be distinguished **9 days after conception**
 - ❖ **4 Months** before birth **all brain cell development stops**
 - ❖ **3 Months** before birth the baby **can hear**
 - ❖ Learn sounds
 - ❖ Experience emotions
 - ❖ Start establishing vocabulary
 - ❖ Emotional intelligence starts to develop



Cortex

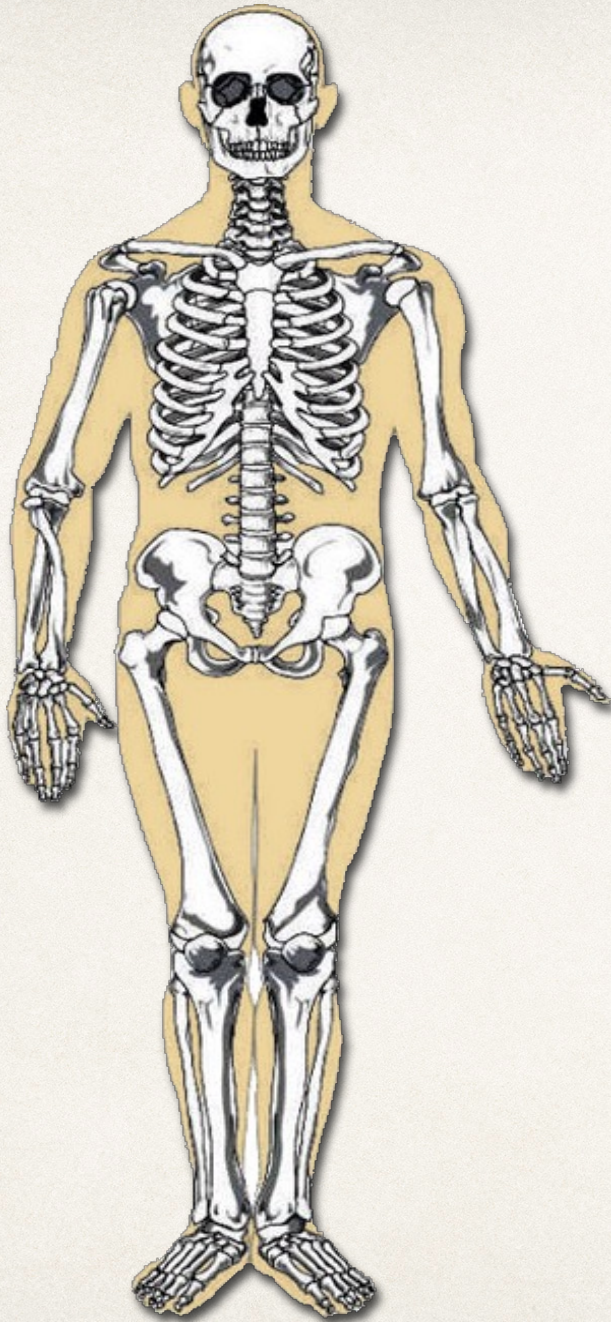
- ❖ Factual knowledge
- ❖ Left- and right hemispheres

Brain Stem

- ❖ Control organs
- ❖ Control movement
 - ❖ Instinct
- ❖ Never sleeps

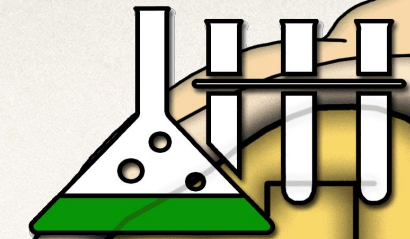
Emotional Brain

- ❖ Values
- ❖ Religion
- ❖ Culture
- ❖ Short term memory



25 Years of Age

- ❖ Skeleton and skull stops growing
- ❖ Brain never stops growing
 - ❖ New knowledge creates new or deeper grooves in the brain
- ❖ Little or shallow grooves on an adult brain suggests little knowledge and / or illiteracy



$$E = MC^2$$



School & Exams:

96%



4%



Sal
zivjo
Hoi
Haja
Minjhani
Merhba
Privet
Hola
Dumela
Mambo
Witaj
Terve
Bonjour
Namaste
Sawubona
Salamaleikum
Lungafeta
Jwajalana
Salaam
Namaskar
Tansi
Dagimbo
Li-ho
Namaskara
alou
Huanbo
Tansi
Shwmae
Ois
Nagaa
Kaltxi

Grüezi
Moi
Heisann
Bond
lakwe

Gamardjoba

Hello

Shalom
Ciao
Aloha
Kunjhani
Zdravo
Salami
oyo

Emotions

Positive	Negative		

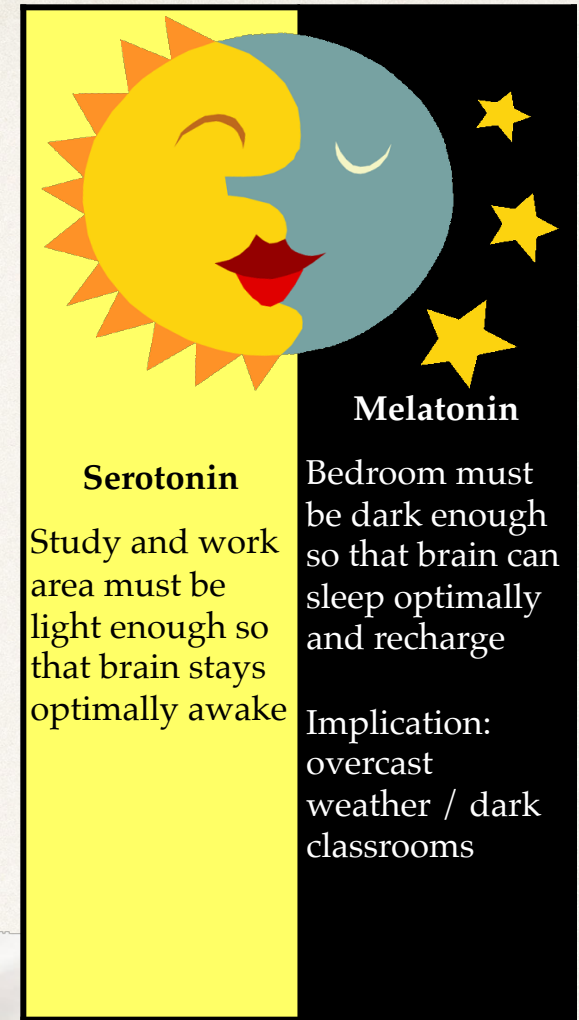
2 mV = Light sleep & dreaming

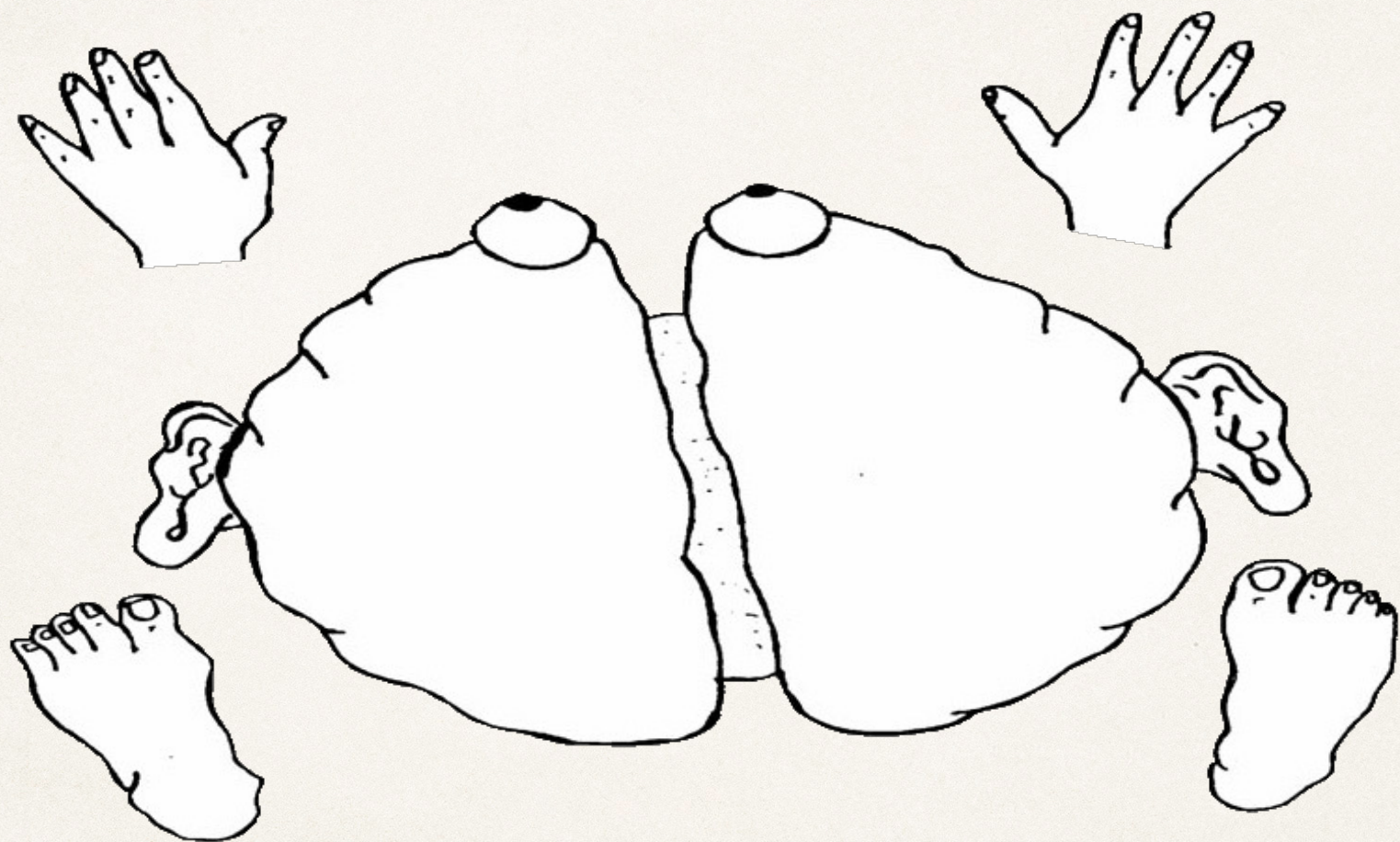
- ❖ Non-dominant brain shuts down first
- ❖ Stimulation: left vs. right brain
- ❖ 5 – 20 min later the whole cortex shuts down

Emotional brain still awake

1,5 mV = Deep sleep

- ❖ Emotional brain sleeps
- ❖ Optimal rest







Very **structured**

Like **routine**

Plans ahead

Feels insecure with
unpredictability

Need to know **who, what,
when, where, how**

Don't like **change** - always
prepare for change or give
adequate warning

Natural talents:
administration & organising

Very **creative**

Thinks outside of the box

Like **challenges**

Loses interest as soon as
something becomes
predictable / boring

Good **brainstormers**

Struggles to finish tasks /
projects

“Gypsies”

Need strict guidelines to
finish from an early age



Adaptable Hand

- ❖ Performs tasks in an **unpredictable** way - whatever feels right at the moment
- ❖ **Natural communicator:** sometimes talks without thinking
- ❖ Need to work hard at **hand techniques** (sport, crafts, etc.)



Routine Hand

- ❖ Performs tasks **the same way** every time
- ❖ Task routine will change only when it doesn't work or a better way is found
- ❖ Generally have **good hand technique** (sport, crafts, etc.)
- ❖ Inclined to have **habits**



Rhythmic Foot

- ❖ Prefers freedom in movement
- ❖ Dislikes movement restrictions in sport
- ❖ **Changes direction** swiftly and easily
- ❖ Typically good **dancers**



Straight Foot

- ❖ Prefers to run in a **straight line**
- ❖ Might have trouble **changing direction** quickly
- ❖ Typically has **good traction** for launching (as in long jump or the vault) or stopping (to hit or throw a ball as in tennis or netball)

Sensitive Ear

Musical

Good sense of humour

Patient listener

Sensitive to tone of voice:

- ❖ Angry / loud voices
- ❖ High pitched / shrill voices
- ❖ Sad = will have trouble saying no
- ❖ Noise distracts attention / causes irritation or stress

Need **VERBAL** recognition
(relationships, school, work)

Detail Ear

Hears **detail** quickly

Prefers to get the **facts** fast

Impatient listener:

- ❖ Interrupt
- ❖ Zone out

Get to the point

Understands well when something is **explained** adequately

Always attend class and pay attention; take notes

Sensitive Eye

See the big picture

Creative / **Design** / Artistic

Daydream

Eye tracks from **right to left**

❖ Possible problems: spelling, maths, misses detail, misreads

Sensitive to body language:

❖ Angry face / broad posture

❖ Pain / Violence

❖ **Sad** = will have trouble saying **no**

❖ **Movement** distracts attention / causes irritation or stress

Need **VISUAL** recognition
(relationships, school, work)

Detail Eye

See detail quickly

Natural talent for detail subjects:
Maths / Science

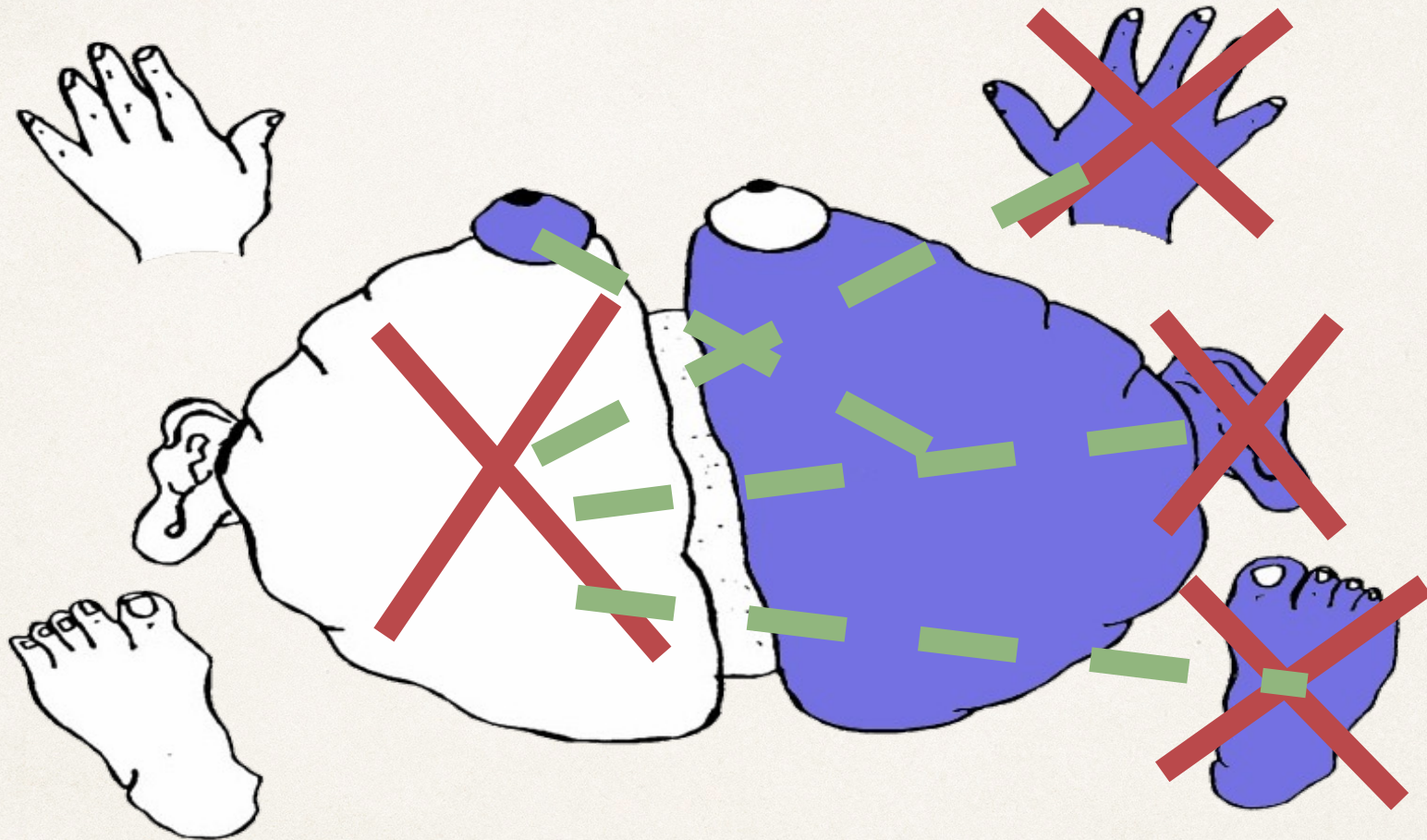
Eye tracks from **left to right**

❖ Should have no problem seeing details such as spelling mistakes and mathematical errors

Diagnostic / problem solving

Irritated by overly **emotional** displays

Understands well when something is **shown** properly



Mr. X

Mrs. Y

