

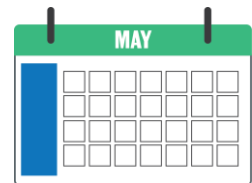
Topic in Action 1
Control Processes
Part 1 of 2

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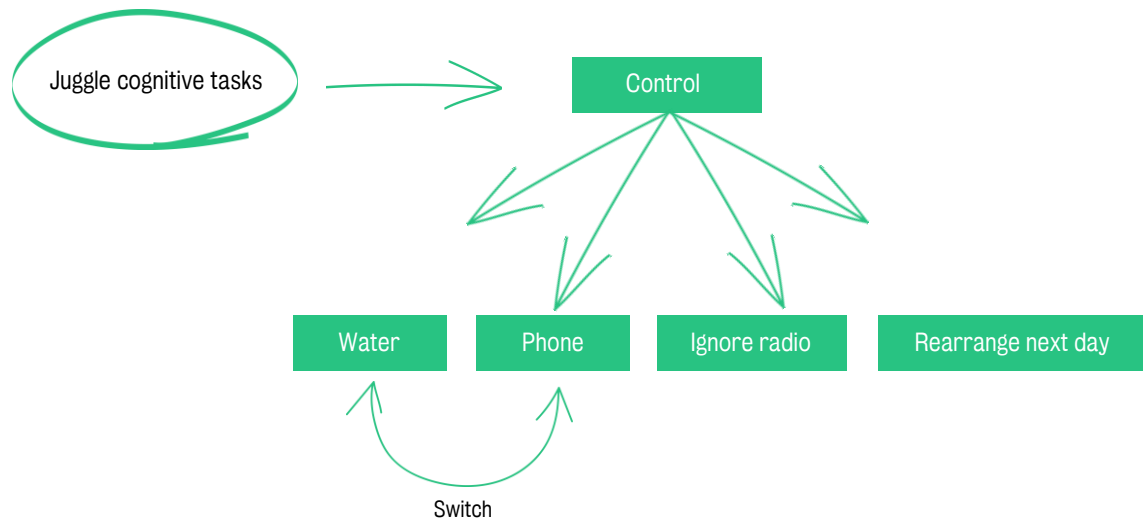


Defining 'executive' control processes (1)



Executive control processes

Defining 'executive' control processes (2)



Defining 'executive' control processes (3)

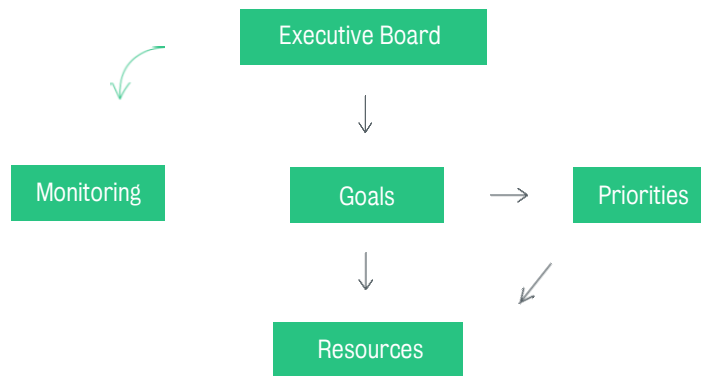
Pay attention to water and phone call
ATTENTION AND TASK MONITORING

Switch attention between tasks
TASK SWITCHING

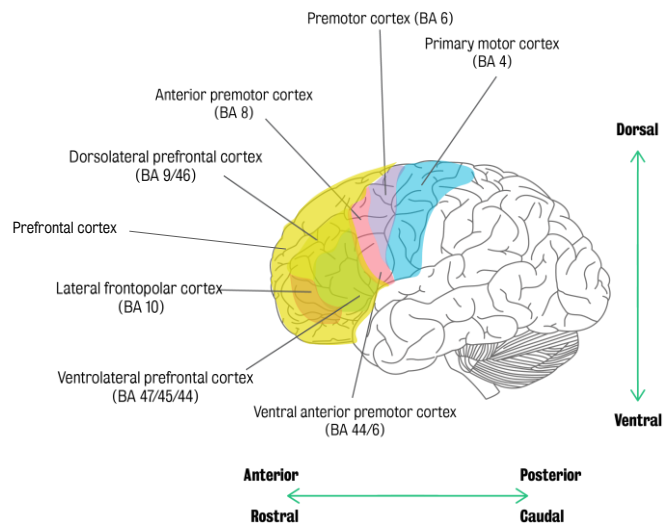
Ignore radio
INHIBITION

Rearrange your day
PLANNING

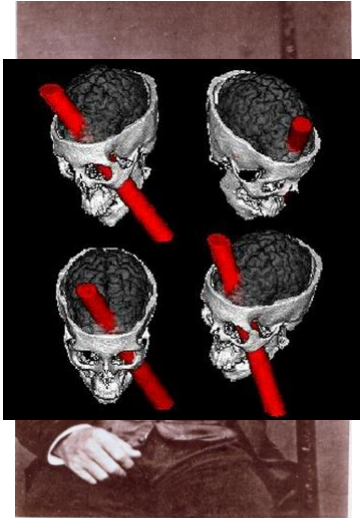
Defining 'executive' control processes (4)



The anterior frontal lobes



Phineas Gage (1848)



Prefrontal cortex damaged



Personality changes



Impaired inhibitions

Dysexecutive Syndrome

Inappropriate Behaviour



Perseveration

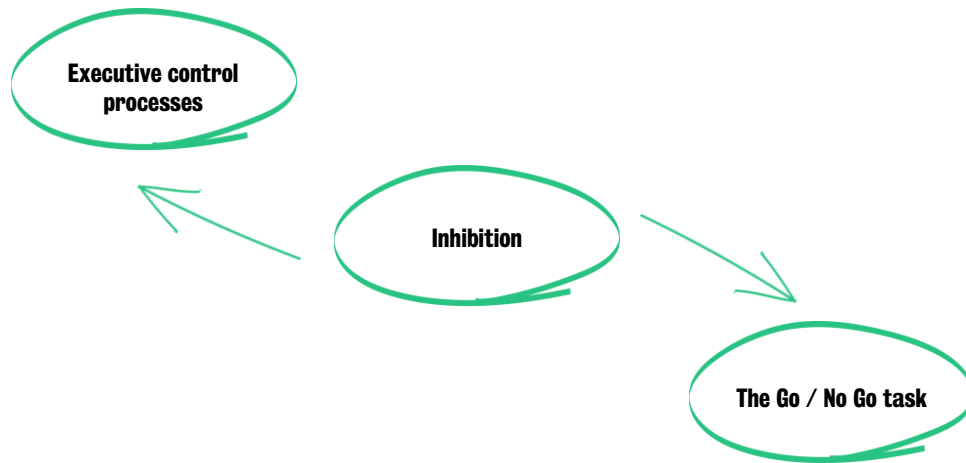


Distractibility



Planning deficits

Inhibition



The Go / No Go task (1)



Study the example of someone performing the "Go/No Go" task on the next screen.

Start

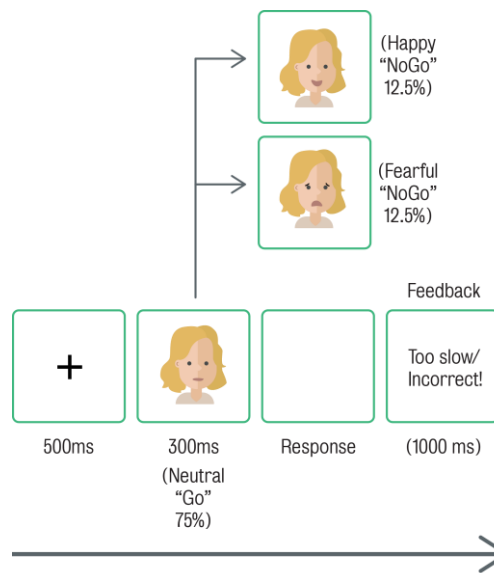
The Go / No Go task (2)



Start

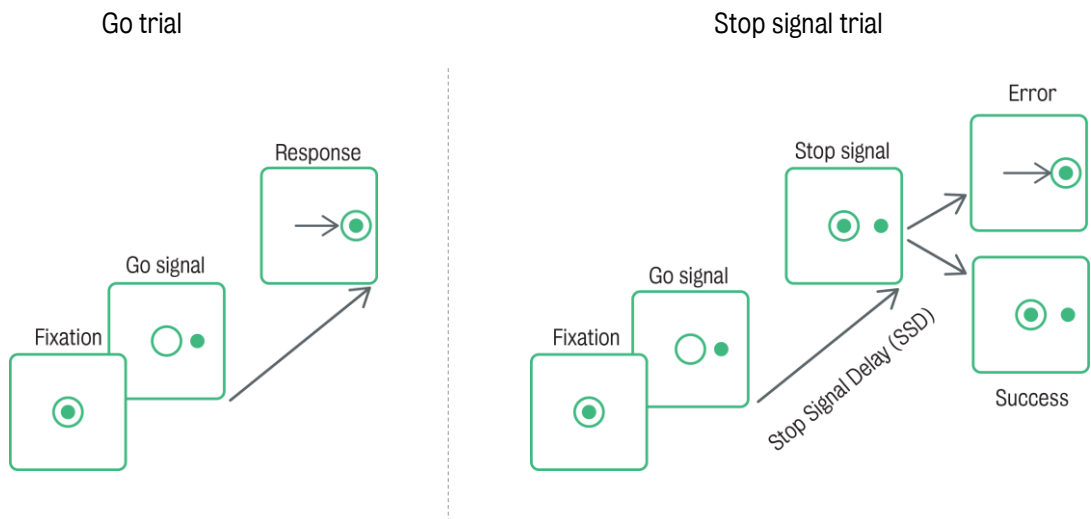
Click [Next](#) to continue

Emotional Go/NoGo task.



Pornpattananangkul, Hu & Nusslock (2015)

Inhibition: Stop Signal Paradigm



Inhibition: Stroop



Tests executive function

Inhibition?

Go / No Go
Stop Signal
Stroop

Do these only
measure
inhibition?

Also:

Attention

Monitoring

Switching