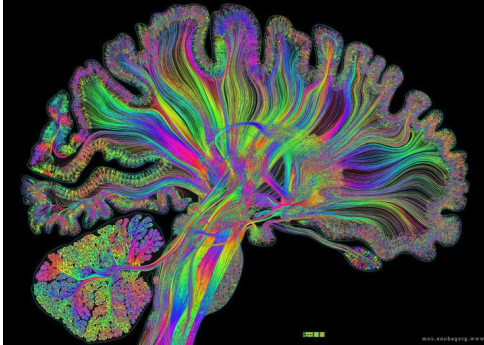




Cognitive Development



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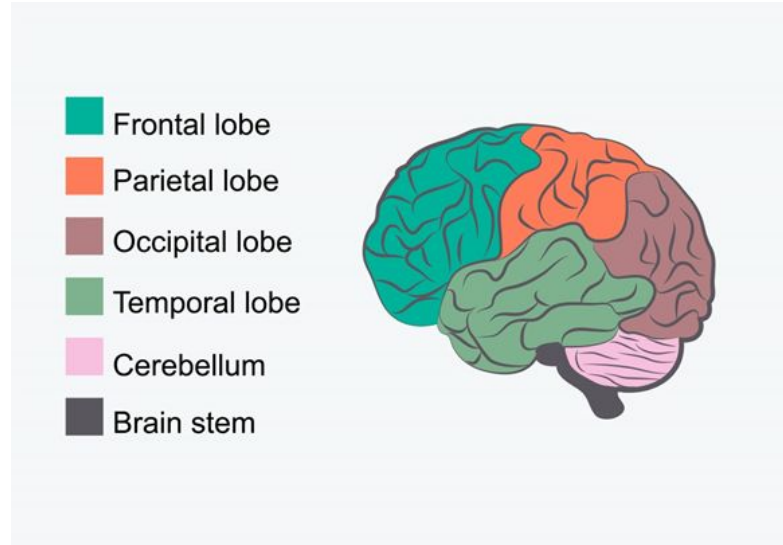


What is Cognition?

Cog·ni·tion

/ˌkäg'niSH(ə)n/

Noun

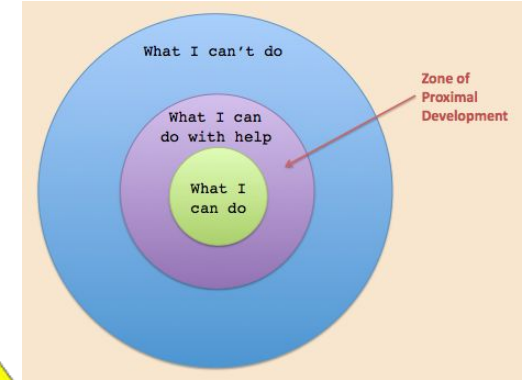
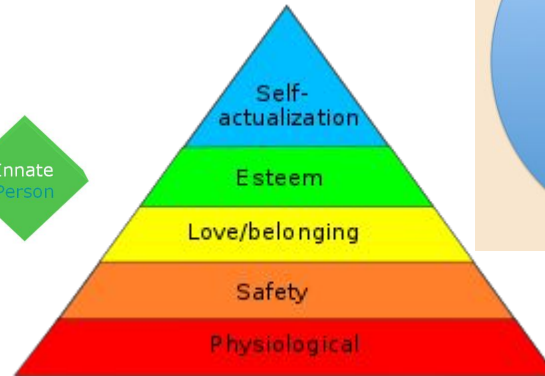
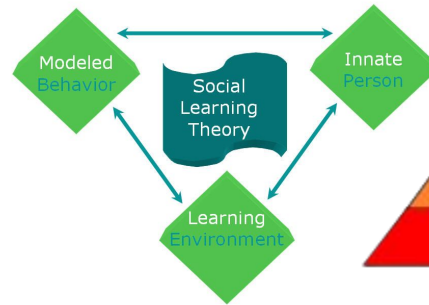
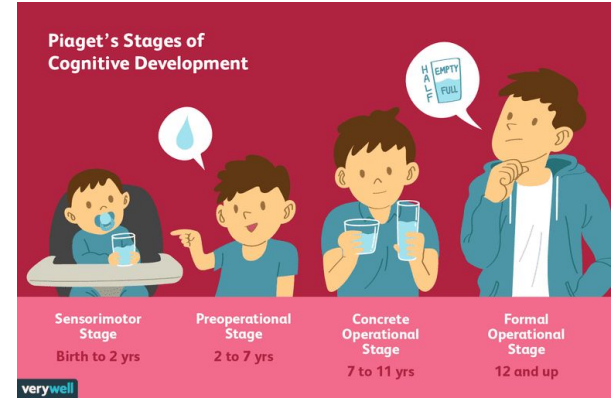


The mental action or process of acquiring knowledge and understanding through thought, experience, and the senses.

In other words, the **accumulation of information** that we have **acquired through learning or experience**.

Common Cognitive Psychologists

- Piaget → Child Development
- Vygotsky → Zone of Proximal Development
- Maslow → Hierarchy of Needs
- Cattell → Fluid and Crystallized Intelligence
- Bandura → Social Cognition



Cognitive Development- Building Blocks model



CO Brain Injury Steering Committee: Adapted from Miller, 2007;
Reitan and Wolfson, 2004; Hale and Fiorello, 2004

Just like building a house, take one piece away...



Fundamental Processes

Sensory and Motor

Attention

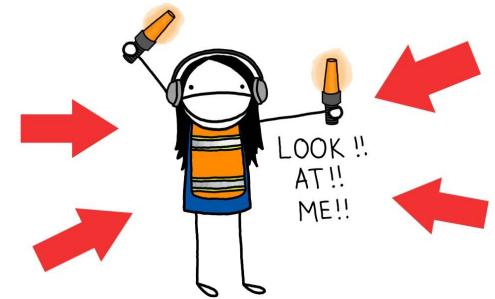
Inhibition

Memory

Processing Speed



BLUE	RED	YELLOW	ORANGE
GREEN	BLUE	PURPLE	RED
PURPLE	YELLOW	RED	BLUE
ORANGE	BLUE	YELLOW	RED
RED	GREEN	ORANGE	BLUE
PURPLE	YELLOW		

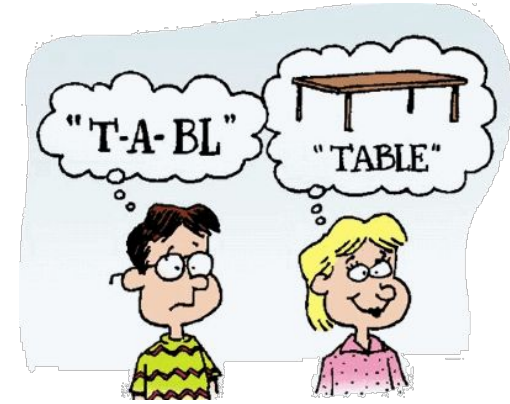


Intermediate Processes

Language

Learning

Visual Spatial



Higher Order Processes

Social Emotional Competency

Executive Functioning

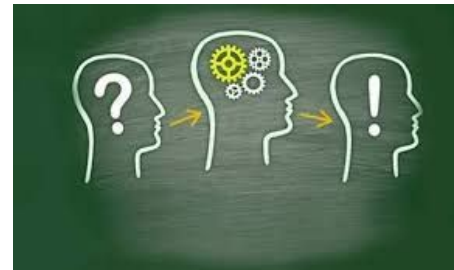
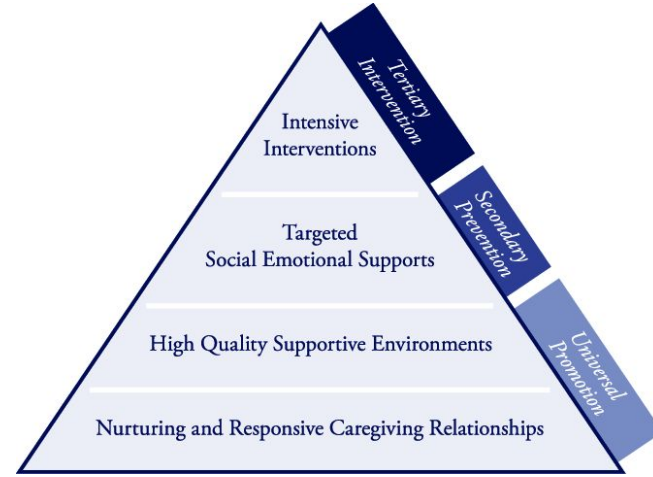
Initiation

Planning

Organization

Mental Flexibility

Reasoning



HERE IS WHAT TO THINK ABOUT BEFORE STARTING A NEW TASK:

- STOP** 
 - Stop what I am doing.
- THINK** 
 - What do I need to do?
 - Do I have a checklist that I can use?
- PLAN** 
 - Plan the steps needed to finish the task.
 - Fill out the checklist that I can use.
- DO** 
 - Sit down and start working!

Overall Cognitive Functioning

Achievement

Cognitive Ability

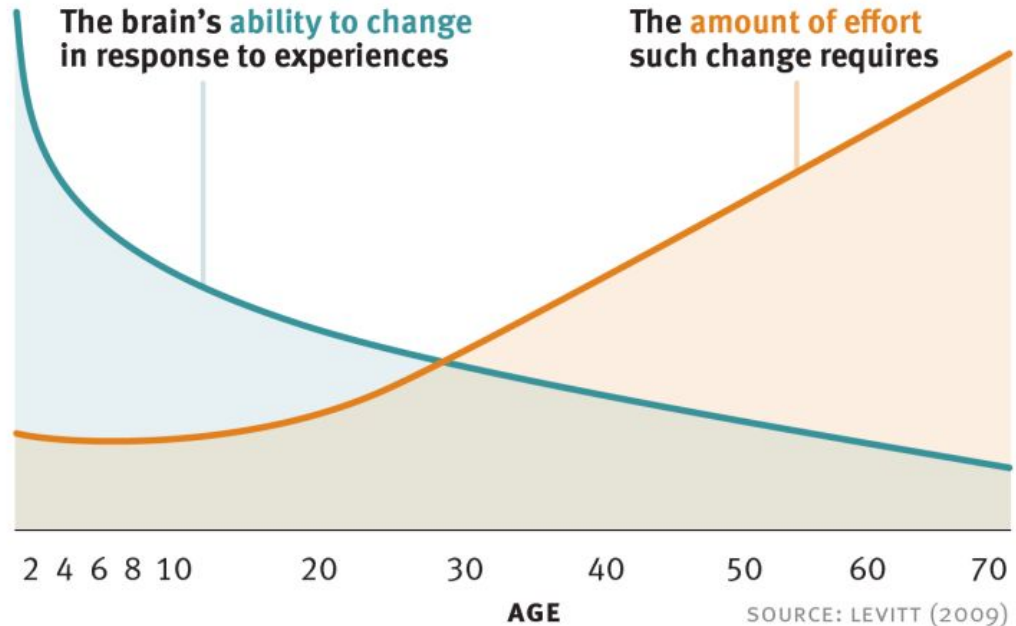


How do we build a brain?

Get the timing →

Serve and Return

<https://youtu.be/KNrnZag17Ek>



Supporting Cognition in the Classroom

Talk, talk, talk



Read books



Sing songs



Play, play, play

Experiences - **go** places,

meet people, **try** new things



Supporting Cognition in the Classroom

Games

Follow the leader

"I spy"

Board games

Card games



Puzzles and Building

Arts and Crafts

Sort, Classify, Compare, Count

