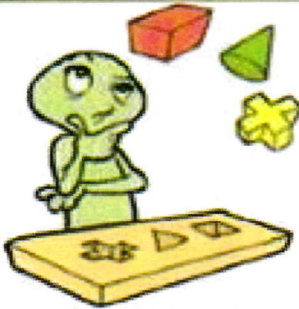


Explanation of Psychological Testing theory (CHC; Cattell; Horn; Carol)

Broad Areas of Intellectual Development related to Academic Achievement (5 of 7)

VISUAL PROCESSING (GV):



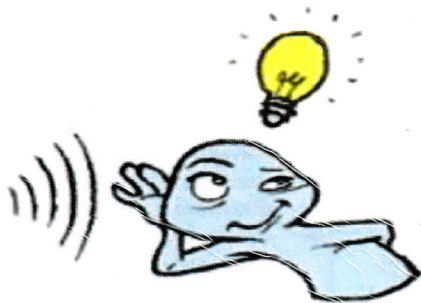
THE ABILITY TO MAKE USE OF SIMULATED MENTAL IMAGERY (OFTEN IN CONJUNCTION WITH CURRENTLY PERCEIVED IMAGES) TO SOLVE PROBLEMS

COMPREHENSION - KNOWLEDGE (GC):



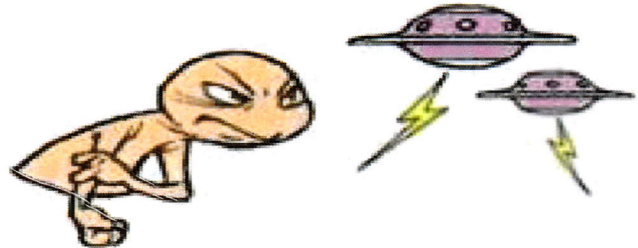
DEPTH AND BREADTH OF KNOWLEDGE AND SKILLS THAT ARE VALUED BY ONE'S CULTURE.

AUDITORY PROCESSING (GA):



THE ABILITY TO DETECT AND PROCESS MEANINGFUL NONVERBAL INFORMATION IN SOUND.

FLUID REASONING (GF):



THE DELIBERATE BUT FLEXIBLE CONTROL OF ATTENTION TO SOLVE NOVEL "ON THE SPOT" PROBLEMS THAT CANNOT BE PERFORMED BY RELYING EXCLUSIVELY ON PREVIOUSLY LEARNED HABITS, SCHEMAS, AND SCRIPTS.


PROCESSING SPEED (GS):



THE ABILITY TO PERFORM SIMPLE REPETITIVE COGNITIVE TASKS QUICKLY AND FLUENTLY.

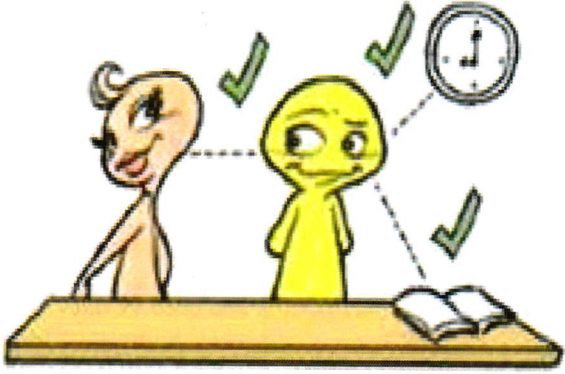
Explanation of Psychological Testing theory (CHC; Cattell; Horn; Carol)
 Broad Areas of Intellectual Development related to Academic Achievement (2 of 7)

LONG-TERM STORAGE + RETRIEVAL (GLR):



THE ABILITY TO STORE, CONSOLIDATE, AND RETRIEVE INFORMATION OVER PERIODS OF TIME MEASURED IN MINUTES, HOURS, DAYS, AND YEARS.

SHORT-TERM MEMORY (GSM):



THE ABILITY TO ENCODE, MAINTAIN, AND MANIPULATE INFORMATION IN ONE'S IMMEDIATE AWARENESS.

