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| **Brain Processes** | **Analogies for Brain Processes** | | **Compared to Other Same-Aged Students,** $ST **has:** |
| **Crystallized Knowledge:**  The amount of cultural knowledge you possess to understand and learn | It is like the “***library***” of the brain, which provides a source of knowledge and facts from which to draw upon. |  | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Understanding words and messages heard * Using the appropriate facts * Using appropriate words when talking * Comprehending what is read * Generating ideas when writing |
| **Auditory Processing:**  Your ability to accurately perceive and use spoken sounds within words | It is like the brain’s “***sound engineer***” who tries to accurately record, filter, mix, and reproduce audio voice messages in high fidelity. |  | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Hearing differences between similar sounds * Filtering out background noise when listening * Breaking spoken words into smaller letter sounds or syllables * Blending spoken letter sounds to make words * Learning to decode unfamiliar words when reading |
| **Fluid Reasoning:**  Your ability to acquire new insights and solve unfamiliar problems on your own. | It is like the “***detective***” of the brain, who examines clues, make inferences, draws conclusions, and solves new problems. |  | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Making inferences * Solving unfamiliar and/or complex problems * Generating new ideas and solutions * Generalizing ideas and skills across situations * Figuring out the main idea when reading * Drawing conclusions in reading, math or science * Solving math word problems |
| **Visual Processing:**  Your ability to use visual information. | It is like the brain’s “***artist***,” who interprets what he sees, and then tries to use the mental imagery in creative ways for various projects. | **A picture containing clipart  Description automatically generated** | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Perceiving visual details * Recognizing patterns * Seeing the difference in how objects look (e.g., size, shape, location) * Imagining how something might look when it is changed (e.g., rotated, partially covered, changed in size) * Interpreting maps, graphs, and charts * Using patterns and designs in art, geometry or geography * Drawing with appropriate size, spacing, and proportions |
| **Short-Term/ Working Memory:**  Your ability to briefly hold verbal and/or visual information in your mind (e.g., 20-30 secs) without forgetting. | It is like the left-brain’s “***voice recorder****,*” which stores brief verbal messages before being erased, and the right-brain’s “***post-it note****,*” which displays images/notes for a short time before being discarded. | Shape, circle  Description automatically generated  **Auditory Visual** | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Remembering brief instructions * Remembering sequential steps * Sounding out longer words when reading * Spelling longer words * Following written steps in a plan or formula * Memorizing math facts * Recalling parts of a dictated math problem * Taking brief notes |
| **Learning Efficiency:**  Your ability to quickly and accurately store new information in memory and retrieve it in the future when needed. | It is like the brain’s “***librarian****,*” which promptly and systematically stores new information and retrieves it from the library as needed minutes, hours, days, or years later. |  | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Learning new information quickly * Remembering the sounds of letters make spelling * Recalling opinions from a lecture * Summarizing what you have read in a chapter * Recalling math formulas learned a month ago * Remembering a diagram the teacher showed last week |
| **Retrieval Speed:**  Your ability to retrieve information quickly. | It’s like the “***speed of the Librarian***“ in retrieving books quickly from the library on demand. |  | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Recalling information quickly * Reading fluency * Math fact fluency |
| **Processing Speed:**  Your ability to complete simple tasks quickly and correctly. | It is like the brain’s “***highway system****,*” which, according to the number and width of lanes, determines how quickly information can travel across the brain. |  | ***STRENGTH □ NORMAL ABILITY □ WEAKNESS □***   * Completing simple tasks quickly and correctly * Working within a time limit * Sorting objects or pictures quickly * Quickly locating specific written or pictorial information * Noticing errors quickly when editing work * Copying quickly and accurately |
| **General Intelligence:**  The total collection of brain processes working together to learn, think, and solve problems. | General intelligence involves the ability to think abstractly, learn from experience, solve problems, and adapt to new situations. The more you have, (i.e., the more efficient the contributing brain processes) the faster you can learn. |  | ***□ EXTEMELY ABOVE AVERAGE***  ***□ WELL-ABOVE AVERAGE***  ***□ ABOVE AVERAGE***  ***□ AVERAGE***  ***□ BELOW AVERAGE***  ***□ WELL-BELOW AVERAGE***  ***□ EXTEMELY BELOW AVERAGE*** |