



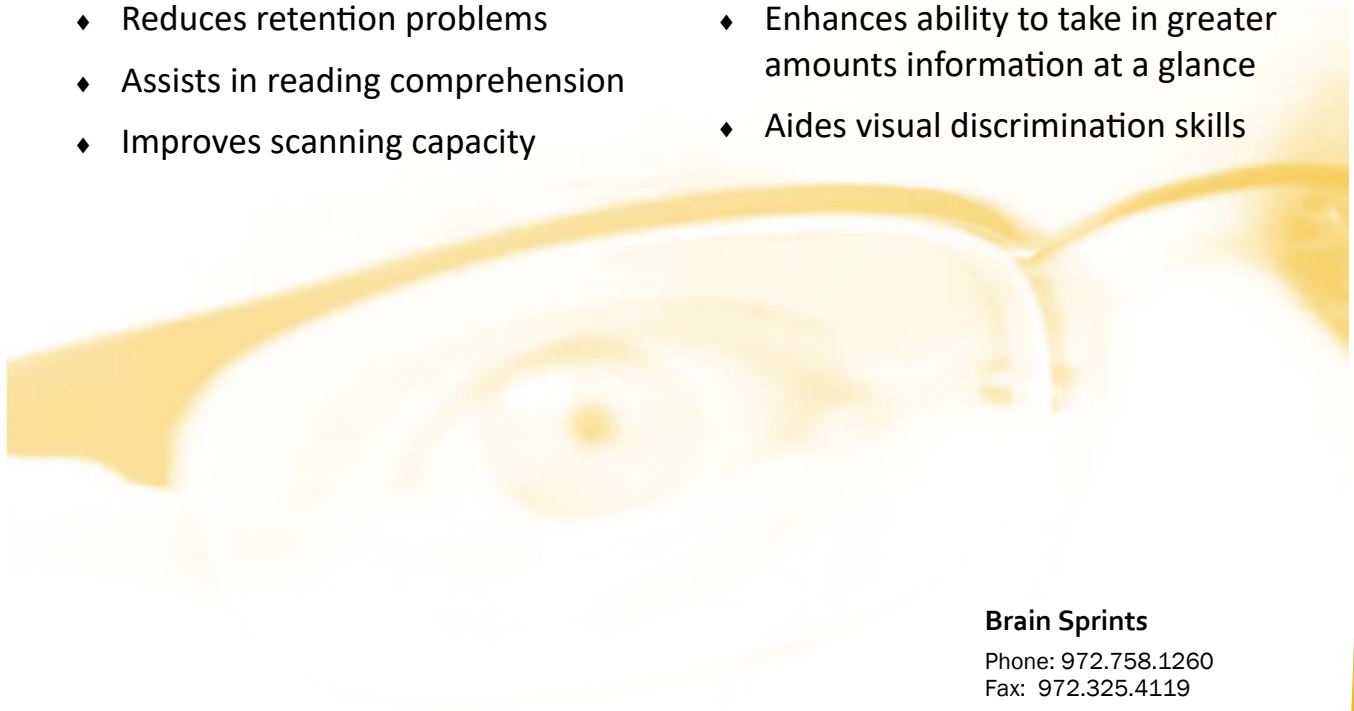
Visual Processing Test Kit

by:

Brain Sprints

Benefits of Efficient Visual Processing:

- ◆ Increases visual short term memory
- ◆ Reduces retention problems
- ◆ Assists in reading comprehension
- ◆ Improves scanning capacity
- ◆ Decreases clouded thinking
- ◆ Enhances ability to take in greater amounts information at a glance
- ◆ Aides visual discrimination skills



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Visual Processing Test Instructions

Sequential processing is the ability to hold many pieces of information together in short term memory that can then be transferred to long term memory. The purpose of using this test is to discover the individual's current **visual** sequential processing ability, which is called the "**proficiency level**." Testing is a unique process and is only done one time for each person. One level higher than the proficiency level is the "**therapeutic level**". You will begin working at the therapeutic level to improve visual sequential processing after testing is complete.

Testing Process

Use the digit span sequences included on the next page. Digit spans are composed of random sequences of digits (numerals 0-9). Below you will find four sequences for each level, i.e. four sequences with 4 digits, four with 5 digits, ... up to 8 digits. This test measures the individual's ability to repeat a random sequence of digits after seeing the sequence for three seconds. A correct response is achieved when all the digits are in the same order as seen on the card with only one three second exposure. The individual should be able to do three out of four sequences at each level to be considered proficient at that level. If this is accomplished, move to the next higher level and test there. Use the basic technique described below and continue increasing the quantity of digits shown.

Preparation

Cut each sequence of digits on the lines provided to create testing "cards". Be careful to keep all the "cards" with the same number of digits together and in order from four digits to eight digits.

Basic Testing Technique

Position yourself where the individual can easily see the digit "card" you hold up. Hold the card up for a period of **three seconds** (this timing is very important). Then, move the card so you can see it but the individual cannot. He/she tells you the digit sequence seen on the card. While testing, the individual's response must be correct on the first try with the numbers, repeated in the same order as seen on the card. For example, you show the following sequence: 3907 and the individual responds by saying, "3,9,0,7". If the response is incorrect, make a mental note of the level (number of digits on the card). Then move on to a different card at that same level of digits. The individual should be able to do three out of four correct at any particular level to be considered proficient at that level. If this is achieved, move to the next level and continue to test. Continue increasing the quantity of digits shown on each card until you reach a level that the person misses two at that level. The test administrator should be able to clearly identify the individual's proficiency level, which is the level at which three of the four sequences is easily and comfortably accomplished. The next highest level is the individual's **therapeutic level**. This is the level in which the visual sequential abilities begin to break down.

Results

Here is what you are looking for: A four year old should be able to do 4 digits; a five year old should do 5; a six year old, 6 and a 7 year old should be able to do 7 digits. For anyone older than 7, the minimum of 7 digits is necessary for typical function. A processing of 8 is preferred for optimal spelling and word recognition abilities. Moving into accelerated levels of 9 or more will make college pursuits easier and will be a gift that lasts a lifetime!



What To Do Now

You now have the therapeutic level from your testing—one digit more than what the student can easily do on the first try. Start daily practice sessions for two minutes twice a day. The individual could need as many as three tries on the same card when first starting to work at that next level. Be very encouraging during this time. It is difficult to process at a higher level but will get easier with time and practice. You can purchase a variety of tools like Digit Span Decks with 125 cards and complete instructions from: Store.LittleGiantSteps.com or create your own cards. You will need at least 100 different sequences or the individual starts to memorize parts of the sequence and then they are not working at that higher level.

Increase Visual Processing Abilities!

Digit Span Cards

Each deck of 125 uniquely numbered Digit Span Cards, when used regularly, will increase both visual and auditory processing. This is the less high tech, more high touch game for children or adults. Decks with sequences of numbers from 4 to 12 are sold separately for \$8.00 each.



Detailed Reading Comprehension

Develop and improve the following:

- Processing skills
- Reading Comprehension
- Short-term memory skills
- Discrimination skills
- Attention to detail



Visual Discrimination Cards

Improve the following skills:

- Visual Discrimination
- Attention to Detail
- Scanning
- Visual Attention



10 Levels to choose from!

3907	8624	6182	7209
82906	41925	05164	95371
719435	928374	395147	618593
8635721	0418365	6473508	0573914
31947265	42859136	03726849	51384927