



Auditory Processing

Use for verbal children 4+ years old

Symptoms of Poor Auditory Processing:

- Difficulties with Phonics
- Low Reading Comprehension
- Struggles in Following Directions
- Poor "Big Picture" Thinking
- Challenges with Conversation Abilities
- Short Attention Span
- Problematic Behavior



BRAIN SPRINTS

Phone: 972.758.1260

Fax: 972.325.4119

E-mail: Office@BrainSprints.com

Improved Processing Levels Lead to:

- Age Appropriate Maturity
- Better Decision Making Skills
- Improved Social Skills
- Improved Reading Comprehension
- Enhanced Conceptual Thinking Abilities
- Longer Attention Span
- Increased Ability to Read Phonetically

Auditory Processing Test Kit

The purpose of testing is to discover the individual's current auditory sequential processing ability, which is called the **proficiency level**. Testing is a unique process and is only administered one time for each person. One level up from the proficiency level is the **therapeutic level** for that individual. The therapeutic level is where you will begin working after testing is completed to improve the individual's auditory short-term memory.

Testing Process

Use the digit span test sheet on the following page, which is composed of random sequences of digits (numerals 0-9). Within the test sheet there are four sequences for each level, i.e. four sequences with 4 digits, four with 5, four with 6, four with 7 digits and four with 8 digits.

This test measures the individual's ability to repeat a random sequence of digits in the same order given on the first try. The participant should be able to do three out of four sequences correctly at any given level to be considered proficient at this level. If three correct is achieved, move to the next level and test. Continue testing until two sequences are missed at a particular level. Use the **basic technique** described below and continue increasing the quantity of numerals (digits) given. While testing, the individual's response must contain the correct numerals, repeated in the same order and on the first try.

You should be able to clearly identify the individual's proficiency level, which is the level at which he performs easily and comfortably. The next highest level is his therapeutic level. This is where you start to work to increase this vital skill.

Basic Testing Technique

Tell the individual that you are going to say some numbers and you want the numbers repeated back to you in the same order. Use the number sequences given in the grid on the following page. Ex. You say, "4...., 2...., 7...., 1", (The timing of giving the digits is important! The series of dots like this "...." between the numbers in the example sequence above, means to **pause** before speaking the next number in the sequence. You might say, "thousand" quickly to yourself between each number to create the appropriate space in time.) The individual responds by saying "4, 2, 7, 1" in the order you called it out. If there is an incorrect response, make a note of it. There have to be three correct responses on any given level of sequences to continue testing.

When the individual misses two on a level the test is over, and you have determined the individual's proficiency level for auditory processing. Begin working one level above the proficiency level. Example: the participant correctly repeated at least 3 of 4 sequences with five digits but missed 2 when 6 digits were given. Start working on 6 digit sequences.

Brain Sprints

Phone: 972.758.1260

office@brainsprints.com

www.BrainSprints.com

Auditory Processing Test Numbers

4271	9362	5816	7204
06289	29541	10546	80673
371594	847293	574913	473915
5741263	1504683	7583604	9462837
47319526	71392506	84092637	26483751

What To Do Now

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 needed to handle conversational language. Moving into accelerated levels of 9 or more will make college pursuits easier and will be a gift that lasts a lifetime. This skill of holding many pieces of auditory information together benefits conversations (staying on topic and picking up nuances), following directions, staying on task, creative writing ability and seeing the big picture as you go through life.

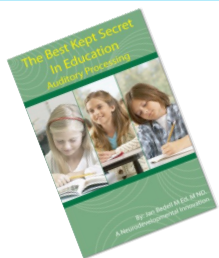
Increase Processing Levels

The good news is there is hope and help for individuals with low auditory processing. There are also huge benefits for those with typical processing to become advanced in auditory processing. It takes consistent effort, but the more an individual does the auditory games, the better the processing becomes. By practicing twice a day for two minutes, you should expect one-half to a full year of improvement (going up one digit) in processing ability in only four months! The individual could need as many as three tries on the same sequence at the new level when first starting 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 will be amazed at how many areas are positively affected by this newly formed skill. Always remember, it takes good INPUT (information going into the brain) to get the results you are looking for from the OUTPUT (information coming out of the brain verbally or in writing).



Start Here for Auditory Processing Help!



The booklet entitled, "[The Best Kept Secret in Education: Auditory Processing](#)," helps the reader understand more about auditory processing and describes several auditory activities that are helpful for individuals that need to increase their auditory processing abilities. This short book is available on the Little Giant Steps store for \$13.00.

We recommend working with Digit Span Decks to raise auditory processing levels. There are 125 cards in each deck with a different sequence of numbers on each card. This activity requires a large variety of cards because if only a few cards are used, parts of the sequences would be memorized quickly and the individual wouldn't be working at an accurate higher level. Order cards that are one and two digits above where the individual tested or order both the A and B decks of the same level. *For example: the individual tested at 5 so order 6A and 6B or 6's and 7's either A or B decks.* At first the individual may need several tries on the same card to be able to get the next level correct. With practice this will move from 3 tries to 2 tries to 1 try. Getting all of the digits correct on the first try 75% of the time equals one year of progress! The minimum goal is to process at least 7 digits by the age of 7 and up. For college-level material, retention of at least 9 digits is recommended.



This is a mini-program with a mighty outcome. You might ask, "Can it really be that simple?" The problems your family is dealing with each and every day can be resolved using specific, targeted activities a few minutes each day. You can watch struggles with: attention, following directions, understanding the big picture of life, phonics, reading and listening comprehension, immaturity and under-developed conversational abilities become a distant memory.

Free Consultation

Let's go beyond tutoring to resolve academic and functional challenges at the source!

Many families come to us, frequently feeling hopeless and exhausted, after spending years searching for answers. When solutions like Brain Sprints come along, it's often difficult to know exactly where to start. Our goal is to help you find the best solution for your family's situation by providing options for your consideration.

To better understand your needs, please complete this questionnaire. You will then receive a link to schedule a free consultation. This process helps guide your decision about the path to better functional ability through The Brain Sprints' NeuroDevelopmental Approach to Life. Click on free consultation at www.BrainSprints.com.

Brain Sprints

Phone: 972.758.1260

office@brainsprints.com

www.BrainSprints.com



Tiny Tot Auditory Processing Test Kit

Ages 3 and Under or Non-Verbal

Benefits of Efficient Auditory Processing:

- Increased comprehension
- Increased maturity level
- Longer sentences
- Increased ability to stay on task



Brain Sprints

Phone: 972-758-1260
Fax: 972.325-4119
www.BrainSprints.com





The Purpose of Testing

The purpose of testing is to determine each child's current auditory sequential processing ability, which is called their proficiency level. Testing is a unique process and is only administered one time for each child in the family. Ideally, the proficiency level should match the child's age up to age 7. This kit is for all children from one to four years old. One level up from the proficiency level is where you begin working after testing is completed.



Testing Process

Use the auditory direction sequence sheet located on the next page, which is composed of random direction sequences. This sheet has four sequences for each level from Level 1 to Level 4, i.e. four sequences with 1 direction, four with 2 directions, four with 3 directions and four sequences with 4 directions.

This test measures the child's ability to remember a random sequence of directions in the same order given and on the first try. He should be able to do three out of the four sequences correctly at any given level to be considered proficient at that level. If this is achieved, move to the next level and test the next level. Continue testing until he misses two sequences at a particular level. Use the "**Basic Technique**" described below and continue increasing the quantity of directions given until two are missed on one row. While testing, the child's response must contain the correct action, repeated in the same order that it was called out and on the first try to be considered correct.

You should be able to clearly identify the child's proficiency level, which is the level at which he performs easily and comfortably. The next highest level is his therapeutic level. This is the level in which his ability begins to break down.



Basic Technique

When testing, please start on the first row of directions. If the child is able to understand the direction of, "wait until I am finished giving you directions and then it will be your turn to do what was said," there is no need to hold his hands. Otherwise, hold both of the child's hands and give the auditory direction you want for her to accomplish. After giving the direction or sequence of directions, let go of the child's hands and allow him to complete the sequence of directions. Use the auditory directions given in the grid above. For example, hold the child's hands and say, "Touch Chin...., Ear...., Knee, (When you see a series of dots like this "....", you should pause before speaking the next direction in the sequence. You might say, "thousand" quickly to yourself between each direction to create the appropriate space in time). You will then let go of the child's hands and allow him to follow the directions in the order given. The child responds by touching his chin, ear and knee in the order you called it out to him. If the child responds incorrectly, make a note of it. There must be three out of four correct responses on any given level of direction sequences to continue testing. It is important to remember that this is an AUDITORY assessment. Do not do any visual prompting by doing the actions yourself.



Auditory Processing Auditory Direction Test

(The individual hears these sequences and sees NOTHING!)

Wave Bye Bye	Blow Kiss	Touch Nose	So Big
Touch Mouth & Hair	Touch Thumb & Eye	Touch Nose & Knee	Sit Down & Touch Head
Touch Chin, Ear, Knee	Touch Hair, Eye, Toe	Touch Tummy, Hand, Foot	Turn Around, Jump, Touch Foot
Touch Hair, Leg, Hand, Toe	Touch eye, Finger Knee, Tummy	Touch Nose, Chin, Elbow, Hand	Touch Mouth, Ear, Hair, Cheek



Results

A two-year-old should be able to follow 2 directions. A three-year-old should do 3, a four-year-old should do 4. If you have a child that is able to complete all of the directions successfully, please choose the Auditory Test Kit that uses digits instead of directions to determine the processing level. The overall goal for sequential auditory processing is for anyone 7 years old or older to complete a 7 digit span successfully. Moving into accelerated levels of 8 or more will make college pursuits easier and will be a gift that lasts a lifetime. This skill of holding many pieces of auditory information together benefits conversations (staying on topic and picking up nuances), following directions, staying on task, creative writing ability and seeing the big picture as you go through life.



What to do Now

You have now determined the therapeutic level from your testing: one auditory direction more than what the child can easily do on the first try. For a three or four year old, start daily practice sessions for two minutes twice a day. Younger children can benefit from more frequent and shorter sessions interspersed throughout the day (try doing one sequence each time the child is put in a car seat, highchair, bathtub, or on the changing table). When going to the next level in the daily practice sessions, the child could need as many as three tries of the same sequence to get it correct. Be very encouraging during this time. It is difficult to process at a higher level but will get easier with time and practice. Review the benefits on the cover of this document to help motivate you to be consistent with this activity that will give a lifetime of benefits.



Advancing Short Term Memory

There are huge benefits for those with typical processing to advance their auditory processing. It takes consistent effort, but the more an individual does the auditory games, the better the processing becomes. By practicing at least twice a day for one-half to two minutes, you should expect one-half to a full year of improvement (going up one) in processing ability in only four months! You will be amazed at how many areas are positively affected by this newly formed skill. Always remember, it takes good INPUT (information going into the brain) to get the results you are looking for from the OUT-PUT (information coming out of the brain verbally or in writing). You can purchase a variety of tools like the booklet, *The Best Kept Secret in Education—Auditory Processing* with several different auditory games and complete instructions from: Store.LittleGiantSteps.com. Reading to your young child is also a good way to develop auditory short term memory.



Start Here for Auditory Processing Help!



The booklet entitled, "**The Best Kept Secret in Education: Auditory Processing**," helps the reader understand more about auditory processing and describes several auditory activities that are helpful for individuals that need to increase their auditory processing abilities. This short book is available on the Little Giant Steps store.



We recommend working with **Digit Span Decks** to raise auditory processing levels. There are 125 cards in each deck with a different sequence of numbers on each card. This activity requires a large variety of cards because if only a few cards are used, parts of the sequences would be memorized quickly and the individual wouldn't be working at an accurate higher level. Order cards that are one and two digits above where the individual tested or order both the A and B decks of the same level. *For example: the individual tested at 5 so order 6A and 6B or 6's and 7's either A or B decks.* At first the individual may need several tries on the same card to be able to get the next level correct. With practice this will move from 3 tries to 2 tries to 1 try. Getting all of the digits correct on the first try 75% of the time equals one year of progress! The minimum goal is to process at least 7 digits by the age of 7 and up. For college-level material, retention of at least 9 digits is recommended. Little Giant Steps has decks available up to 12 digits. Each of these decks are available on the Little Giant Steps store.



Let's go beyond tutoring to resolve academic and functional challenges at the source!

Free Consultation

Many families come to us, frequently feeling hopeless and exhausted, after spending years searching for answers. When solutions like Brain Sprints come along, it's often difficult to know exactly where to start. Our goal is to help you find the best solution for your family's situation by providing options for your consideration.

To better understand your needs, please complete this questionnaire. You will then receive a link to schedule a free consultation. This process helps guide your decision about the path to better functional ability through The Brain Sprints' NeuroDevelopmental Approach to Life. Click on free consultation at BrainSprints.com