



Case Report

ADHD, PANS,
ANXIETY, IMPULSIVITY

A LITTLE MUSIC WENT A LONG WAY FOR MY SON

My son began using The Listening Program® (TLP) just before his 9th birthday. My goals for him were to improve concentration, attention, reading skills, and the ability to listen and follow directions in a sequence. I also hoped to see him better manage his daily schedule and calm down enough to relax for bedtime. He was very impulsive, and I wanted to see some improvements in this area as well.

I was pleasantly surprised by how easy it was to fit TLP into our schedule. Our days were already very full, and I was concerned that it would be hard to find enough time. Still, we discovered that it was not hard to do at all, and it quickly became a part of our daily routine.

Within a short time, I could see that my son knew TLP helped him. A couple of weeks after starting, he woke in the morning and said, "I want to do TLP!" I was amazed as I saw his morning routine become very organized. He would wake happy and ready to take on a new day.

He became very proactive about meeting his morning goals. He even wanted to do schoolwork before school started and several other things he wanted to complete early in his day. After school, he became independent with his homework assignments. He could sense that his focus and concentration were improving, and he would say, "I feel like I'm able to focus" and "I feel like I'm more clear."

In the evenings, his bedtime routine changed as well. One thing that helped with this was his improved ability to follow directions. I had always given him a list of things to do for bedtime preparation, but he would have trouble remembering everything. However, after starting TLP, this changed, and he worked into an excellent bedtime routine, which he kept each night. He even got to the point where he put himself to bed

and sometimes chose to read to relax before sleep. I was so surprised to see this, as previously, he had a hard time getting settled at night.

I saw my son developing more maturity. He began to pick out his clothes for different occasions, and he took more pride in his appearance. I saw a reduction in separation anxiety at church, and he began handling situations more appropriately. He became more willing to apologize, and he could recover much faster if he became upset. I noticed that he had started using words rather than behaviors to express his frustrations. I also saw that he was handling transitions much better.

With reading, I saw an increased ability to recall stories that we read together. I liked that he was choosing to read on his own, for calming before bed. It showed me that even though reading was challenging for him, he enjoyed it and could even read when he wanted to relax.

Impulsivity was hard for my son, but he was improving in this area as well. I could see him trying harder to think before he acted, which helped with his sibling interactions. He was becoming more self-aware. At one point, he said, "I'm having an excellent week."

His sound sensitivity has also improved, which allows him to enjoy public places with the family more. The sound of the blender no longer bothers him the way it used to.

His communication abilities were noticeably improved as his pronunciation got better, and he showed much more desire to talk with others. He was more expressive and more willing to share his thoughts. He started initiating deeper and longer conversations with us. He would say, "Mom and Dad, how was your day?" and then he would enjoy spending time just talking with us.

His consideration for others also improved. At Christmas time, I offered to allow the kids to decide whether they wanted to open their own presents at once or take turns and watch each other open gifts. Landon was quick to say that he wanted to take turns. I was so touched as I saw him genuinely express happiness for each of his siblings as they opened their presents.

He was also better at apologizing and was more affectionate. When other family members visited over the holidays, they described him as sweet, calm, and more talkative.

After just 3 ½ months of using The Listening Program, I'm pleased to say that my son Landon is happier. He works harder to make good choices, is more organized, more mature, and relates better to others. His active listening skills have improved. He can follow directions, enabling him to accomplish more of the things he wishes to do.

I am happy that we took advantage of working with a TLP Certified Provider. It was so helpful to have a coach who could identify and record new changes as they occurred. She checked in regularly, discussed where we were in the program, and I could talk about what I was observing.

It was amazing to see how my son responded to different listening zones in ways I was told we could expect. My coach helped me understand the areas that the music was working, so I would know when to watch for different changes. It was also lovely to have another person who knew my goals so we could celebrate! She also helped carefully chart the breakthroughs as we saw them unfolding.

I enjoyed seeing this progress for my son. We plan to continue The Listening Program to see how it can propel him further toward the goals we seek.

1 YEAR UPDATE: JANUARY 2021 - *ANGIE WOODWARD, CERTIFIED TLP PROVIDER/COACH 1-6-21*

Almost a year after Landon's mom wrote the letter about TLP, she was pleased to share that Landon has happily continued The Listening Program! He originally started in October of 2019, and by July 2020, he completed all four cycles of TLP Spectrum (Cycles 1 - 4). He is currently using TLP Achieve.

Mom shared that when Landon first began TLP, his PANS symptoms had gone away. However, when they took a two-week break from TLP Spectrum, some of the symptoms gradually returned. They decided to immediately implement TLP Achieve and were pleased that his PANS symptoms quickly subsided and have not returned since.

One of the most important goals has been met and maintained! Landon had stopped having PANS flares, and his immune system is stable. His impulsivity has reduced significantly, and he is

more mindful of others, and he interacts much better with his siblings.

His grandmother visited recently, and she commented, "Oh my goodness, I've noticed such a difference! He is not impulsive at all, and very affectionate."

Due to COVID-19, Landon is schooling from home. His teacher is pleased by his excellent class participation and has asked the class on more than one occasion, "Does anyone else besides Landon want to answer the question?" Mom has also noticed lots of improvement with his focus, interaction with others and overall happiness.

Landon will continue using TLP Achieve for all four cycles. TLP has been a fantastic addition, and continued use has brought forth ongoing benefits for him.

LANDON

ABOUT LANDON

Case Submitted: 2020

Provider: Nicole Snyder, FNP
 Sancta Familia Center for Integrative Medicine

TLP Coach: Angela Woodward, Certified TLP Provider

Client: Landon, 8 yrs. old (almost 9)

Diagnosis/Concerns: ADHD, PANS, Anxiety, Impulsivity

Report Includes: TLP Monitoring Notes from:
 October 16, 2020 to February 5, 2020 (Approx. 3 ½ months)

OVERVIEW

This report provides a documented account of Landon’s changes and benefits after using The Listening Program [TLP] for 3.5 months.

PART 1: DETERMINATION OF INITIAL CHALLENGES AND GOALS

Landon’s TLP Provider prepared an initial pre-listening assessment to establish a baseline reference. His mother also submitted a developmental and physiological health history and a written evaluation of her son’s status. She also completed an online TLP screening.

PRE-SCREENING RESULTS: The TLP screening is an online tool to rate observed performance in Learning and Attention, Auditory Processing, Speech and Language, Sensory-Motor, and Social-Behavioral.

Areas with scores of 12+ indicate a need for improvement in which The Listening Program could be beneficial. The highest score possible is 30, which reflects the greatest need. The goal is to lower the listener’s scores to below 12 in every area.

Landon’s elevated scores indicated that he needs support in all areas.

Pre-screening Scores

Learning and Attention	23
Auditory Processing	18
Speech and Language	20
Sensory Motor	20
Social Behavioral	17

METHOD: Landon will use TLP Spectrum with Waves Bone and Air Conduction Headphones following the Base or Condensed Schedule [15-minute sessions twice daily or one 30-minute session daily, five days per week].

Monitoring calls would take place throughout the first 3.5 months of listening. A follow-up assessment would occur at the end of the monitoring period.

PART 2: MONITORING CALLS REVIEW

WITH TLP CERTIFIED PROVIDER, ANGIE WOODWARD (10-16-19 THROUGH 1-7-20)

MONITORING CALL #1: 10-16-19

TLP Spectrum with Waves, Blue Zone, Base Schedule, Currently on Modules 15/16:

- Cooperative with listening and enjoys sticker books for listening activity.
- Mom finds it surprisingly manageable to fit into daily schedule.
- Mom reports that immune system is more stable.
- Less emotional and recovers faster after being upset.
- Nicer than normal to sister this past week.
- Shows good tolerance to TLP introduction.

MONITORING CALL #2: 10-23-19

TLP Spectrum with Waves, Green Zone, Base/Condensed Schedule, Currently on Modules 25/26:

- During Modules 19/20 wanted to bang things around (end of Blue Zone). However, by the end of the 30 minutes of listening, he was calm.
- Enjoyed completing a sticker book activity with brother.
- Took a picture of an animal from an encyclopedia and wrote facts about it.
- Less separation anxiety at church.
- Made sweet cards for his mom (cards said, "I'm going to do these nice things for you...").
- Said "Thank you" more than usual over the past week.
- Apologized immediately to a sibling when he wasn't being nice, which is new.
- Green zone is promoting calming, anxiety reduction and improved ability to interact with others.

Additional Notes:

Landon is more awake and sensitive to the music his sibling is playing on their phone around him. This can be a typical mild adjustment as the brain improves recognition and processing of the various soundscapes in one's environment.

Yesterday, he woke and said, "I want to do TLP!" He wanted to do all 30 minutes of TLP before school in the morning, and then he did his homework before school. He said, "I'm in a good mood." He was a little squirmy and restless at bedtime that night and bothered his brother a little before bed. His school had a late start which threw him off a little.

Later in the week, he was a little smart-alecky and fidgety. His mom recognized external contributing factors as the source. His integrative doctor had increased his antimicrobial nutrients, causing some temporary symptoms such as moodiness, hyperactivity, and behavioral symptoms. Since he is in the calming TLP Green zone, it was easy to isolate the increased nutrients as the cause. Overall, it was a very good week.

MONITORING CALL #3: 10-30-19

TLP Spectrum with Waves, Green Zone, Base/Condensed Schedule, Currently on Modules 35/36:

- Adjustments to external factors (antimicrobial nutrient increases) have improved, and related symptoms have almost subsided.
- Showed no anxiety at church this past weekend, even though brother had to stay home and could not be with him.
- Still has to be reminded often to “stop”.
- Continues to be very productive in the mornings and shows time management improvements.
- Wants to do TLP, homework, and reading all in the mornings before school.
- Showing more responsibility with completing tasks.
- Continues to be less overly-emotional and recovers quickly after being upset with siblings.
- More snuggly and affectionate.
- Still some increased awareness of the sounds around him, and is a little more sensitive about things being too loud.
- Beginning to think ahead and take more control of his day (rather than letting his day control him).
- Becoming more proactive rather than reactive.
- Positive responses to the Green zone continue with calming, anxiety reduction, less hyperactivity and grounding.

MONITORING CALL #4: 11-6-19

TLP Spectrum with Waves, Green Zone, Base/Condensed Schedule, Currently on Modules 45/46:

- Enjoying TLP before school.
- Continues to be productive and proactive.
- Told his mom he feels calmer.
- Initial adjustments to sound awareness and sensitivity to volumes has improved and is normalized.
- Impulsivity has improved. Parents and siblings are having to tell him to “stop” less often.
- Separation anxiety at church continues to improve. He has recently stopped asking to be picked up first from Sunday School.
- In addition to above, Green zone also promoting less intensity, less hyperactivity, and better interactions with family.

Additional Notes:

An exciting moment was when he initiated a conversation with his parents! He came to them while they were at the dinner table and said, “I’m done with my iPad, and I want to sit and talk to you, Mom and Dad”. Mom said it was very nice and not a typical request. Mom feels he is more relaxed now, making it easier for him to hang out with family rather than play on his own with his iPad.

TLP adjustments made on this call included increasing the A/C volume to a 2, continuing B/C volume at a 5.

MONITORING CALL #5: 11-20-19

TLP Spectrum with Waves, Orange & Green Zone, Base/Condensed Schedule, Currently on Modules 63/64:

- Since moving into Orange/Green zone, he continues to initiate and maintain good conversations with parents and siblings.
- Despite difficulties with reading, he has started asking to read more at night and in the morning.
- Less instigating siblings.
- Saying nice things to siblings, and apologizing for behaviors when they occur.
- Continues to show less impulsivity. There are fewer and fewer occasions where he needs to be told to “stop”.
- More aware of self and others.
- Asking more questions like “Did you have fun?” and “How was your day?”
- Orange/Green zone is promoting improved social awareness, interaction and increased desire for reading.

MONITORING CALL #6: 12-4-19

TLP Spectrum with Waves, Orange & Green Zone, Base/Condensed Schedule, Currently on Modules 85/86:

- Learning better due to improved “active listening”. Mom notices this while they are working on homework together.
- Improvements with attention and focus.
- Better at following instructions.
- Time management improvements continue.
- Very good about completing school work.
- More aware of others’ facial expressions, making it easier for him to know when to “stop” himself before he irritates someone.
- Improved word pronunciation (he had a problem with pronouncing Rs, but it is getting better).
- More expressive and is sharing more thoughts.
- Better at relating and bonding.
- Improved “awareness of other’s vibes”. He is “reading people” better.
- Continues to be more affectionate and wants more hugs.
- Seeks out siblings to play more often.
- Starting to pay more attention to appearance. Mom asked for him to get a shirt for church, and he picked out something dressier to wear.

MONITORING CALL #6, cont.

- More social awareness and some emerging social maturity.
- Communication, social, focus, and memory improvements expected with Orange and Green zone are emerging, and he had an excellent two weeks.

Additional Notes:

He was fantastic all through Thanksgiving break (which also included birthday parties and sleepovers). Visiting relatives noticed he is sweet, calm, more talkative and interacting more. Mom continues to see big improvements in how often she has to tell him to “stop.” She sees him verbally expressing more about his feelings and emotions. She said now when a sibling upsets him, rather than just being upset, he also says, “You hurt my feelings.” He is sharing more about things he remembers from the past.

MONITORING CALL #7: 12-18-19

TLP Spectrum with Waves, Orange & Green Zone, Base/Condensed Schedule,
Currently on Modules 105/106:

- Continues to spend more time with family.
- Asking more questions.
- Enjoys talking about past family vacations and other good memories.
- Playing better with siblings.
- More regulated with his emotional expression.
- More self-awareness - seems to better understand how behaviors and words affect other people.
- Improved tolerance to louder and busy environments that were over-stimulating prior, such as restaurants, parties, plays and movie theaters.
- More “mellow.” Mom commented that he hasn’t had any “time-outs.”
- Observations reported fit well with both Orange and Green zone support.

MONITORING CALL #8: 1-7-20

TLP Spectrum with Waves, Orange & Green Zone, Base/Condensed Schedule,
Currently on Modules 133/134:

- Sound sensitivity has improved to the point that he is no longer saying that sounds bother him.
- Behavior continues to be good, especially the week before and the week of Christmas.
- Not talking back as much and not instigating siblings as often.
- Continues to be more talkative, animated and expressive.
- Relating better to others as comprehension during conversations has improved.
- Spending more time with siblings and is more thoughtful towards them.

MONITORING CALL #8, cont.

- More complementary of Mom and sister
- Better with transitions showing reduced anxiety.
- Can and do things for longer periods of time.
- Continued awareness of appearance (tries to pick appropriate clothes for where he is going).
- Sleep continues to be good.

Additional Notes:

He brought his plate into the kitchen on his own while out of town with the family. Siblings were arguing over who had to sleep on the couch while out of town, and he volunteered so they wouldn't have to, surprising everyone. Mom allowed the kids to choose whether they all opened presents at one time, versus taking turns and watching each other. Landon wanted to take turns and showed great happiness as he watched his siblings open their presents, showing consideration for others. Mom was very happy about this.

*Very notable observation regarding PANS: On this last scheduled monitoring call, Mom noted that his immune system continues to remain stable (no flares) since starting TLP.

PART 3: PRE AND POST LISTENING SCREENING TOOL SCORES

TLP RESPONSE REVIEW DATE FOR RE-ASSESSMENT: 2-5-20

Performance Area	October 2019	February 2020	Improvement
Learning and Attention	23	17	-6
Auditory Processing	18	14	-4
Speech and Language	20	13	-7
Sensory Motor	20	14	-6
Social Behavioral	17	13	-4

DISCUSSION OF FINDINGS: Findings demonstrate significant response following 3.5 months of consistent use of TLP Spectrum with the Waves Air and Bone Conduction Audio System. Improvements have occurred in all five areas. With continued listening, it is expected that all performance areas will continue to show improvement, and scores will continue to decrease.

PART 4: RESULTS

RE-VISIT PARENT'S GOALS TO EVALUATE PROGRESS

The TLP Provider consulted extensively with Landon's Mom to review the original developmental and health history documentation she submitted before he started The Listening Program. They then compared the same items at the 3.5-month point, to determine any changes/benefits specifically related to the original goals his Mom had identified as priorities.

Mom also had created a list of goals she hoped to see improvements in, and the provider documented the exciting progress Landon made

Please see the following additional attachments to this report:

Listening Screening Tool [pre-evaluation]
Listening Screening Tool [post-evaluation]
Graph – Demonstrating beneficial changes
TLP Listening Checklist – Response Report

HEALTH HISTORY REVIEW AREAS EVALUATED

- Receptive Listening and Language Checklist
- Expressive Listening and Language Checklist
- Speech/Language and Reading Areas of Concern Checklist
- Cognition Areas of Concern Checklist
- Behavior Weaknesses Assessment
- Behavior Areas of Concern Assessment
- Motor Skills Checklist
- Behavioral and Social Adjustment Checklist
- Level of Energy Checklist

GOAL 1: CONCENTRATION, ATTENTION, MEMORY

Improve concentration and attention span at home as it is difficult for him to work on homework.

Provider Observations:

Improvements noted. Landon is more task-oriented, can stay on task, and wants to get things done. He has improved attention, focus, and concentration. He has used sentences like "I feel like I'm able to focus" and "I feel like I'm more clear." He's better able to follow homework instructions given by the teacher. He acts very responsibly about finishing schoolwork and independently maintains a good homework ethic. Completing homework is not a problem because he plans it into his day. When there are extra events on his schedule, he arranges his homework schedule to get it in on time regardless of those activities. He plans to be sure he stays on schedule. He shows excellent maturity in this area. Landon's reading comprehension has improved, and reading, in general, continues to get better. His improved attention has helped with this. He enjoys reading more and has found interest in a series of books from the library he has been reading regularly with his Mom. He has also joined a new reading group at school to help support his progress. He wants to continue to improve in this area.

GOAL 2: LISTENING/AUDITORY PROCESSING

Improve listening skills, following multi-step directions, and improve compliance. It often takes repeating requests as many as ten times.

Provider Observations:

Improvements noted. Landon is better at facing people when they talk to him. He is a more active listener and has many more conversations with others. He is more expressive in his communication, pays more attention to discussions, and offers more input. He interacts better with his siblings. The need to tell him to “stop” has significantly decreased, and he responds more quickly when someone asks him to stop. He has more awareness of how his actions affect others and shows more consideration as a result. He has used sentences like “I feel like I’ve been really good this past week.” He can now complete tasks in a sequence, which was difficult for him before. He does not feel overwhelmed as he did before TLP listening. He is better at following directions because of his improved listening skills.

GOAL 3: MOOD, BEHAVIOR, AND EMOTIONAL REGULATION

Improve his awareness of personal space and social appropriateness. Reduce his impulsivity, as he tends to act before he thinks.

Provider Observations:

Improvements noted. Landon is better at appreciating personal space. He has done an excellent job of going to church and being independent there. He has begun to choose his outfits for dressier outings and selects appropriately. He takes pride in his appearance. He does not instigate as often, showing improvements with impulsivity. Mom sees some maturity beginning to emerge.

GOAL 4: SLEEP

Ability to relax to have more downtime before bedtime. It is hard for him to prepare his body for rest and sleep.

Provider Observations:

Improvements noted. Now that Landon can follow his Mom’s directions more easily, he has started to implement a bedtime routine. Using sequential steps such as putting on pajamas, brushing teeth, etc., has helped him establish a bedtime routine. He now goes to his room independently, without having to be asked to go to bed. He sometimes goes to his room to read before going to sleep, which is a nice improvement. He previously had difficulty trying to relax before bedtime.

GOAL 5: EDUCATION

Mom wants him to follow directions and listen in the classroom. Improve reading and the disconnect he seems to have with it.

Provider Observations:

Improvements noted. While Mom is not in his classroom, she has noticed Landon is much more independent. He can bring his homework home and complete it on time and correctly. He can do this because he can pay attention to the teacher's instructions as she gives assignments. At home, he is also better at listening to and following directions. He can also attend to conversations much better. His reading has improved, though it is still a challenging area for him. It is encouraging that he enjoys it more and remembers more events in the stories he reads with his Mom. Future testing through the school system will provide additional tracking in this area.

DISCUSSION

Mom's Goals for Landon have either been achieved or are in the process of emerging. Additionally, his immune system has remained stable with no PANS flares since starting TLP. If he continues to use The Listening Program, he can make further progress as he proceeds to the Red zone which will encourage more responsibility,

independence, organization, creative thinking, problem solving and motivation. Considering the number of benefits already seen with the first three zones [Blue, Green and Orange], it is expected that he will see many more benefits with the fourth zone as well.

PART 5: FINAL REVIEW SUMMARY

The TLP Review and Reassessment meeting between Landon's Mom and Angie Woodward, TLP Certified Provider considered everything included in his initial assessment and the monitoring calls made during the initial 3.5 months of TLP. They noted and discussed many improvements. Find a summary of his most notable changes below.

IMPROVED SOCIAL SKILLS

Initiates more conversations with others	Spends less on the iPad and more time with people
Better at expressing feelings and thoughts, rather than through behaviors only	More aware of personal space and knowing when to "stop."
Increased desire to be around others (friends and family)	Orders own meals at restaurants and even asking about gluten-free options
Improved interactions with siblings	More aware of the feelings and moods of others
Less instigating	
More compassionate and thoughtful toward others	

SPEECH AND LANGUAGE

More talkative	Improved pronunciation (better at pronouncing R words)
Better able to express his feelings	Better articulation and fluency when talking
Chooses to express his feelings and frustrations with words, rather than just behaviors	Improved written language comprehension

MATURITY AND INDEPENDENCE

Puts self to bed and implements own bedtime routine	Very responsible about completing homework
Dramatically improved morning routine; very responsible and independent	Better at following directions and paying attention
Makes own schedule adjustments to make sure everything gets finished each day	Very motivated to complete tasks
Chooses clothing and puts clothes away	Improved sense of time and schedule
	Agreeable and compliant when asked to do things

STRESS RESPONSE

Physically calmer	Able to handle changes and transitions
Reduced emotional reactivity	Able follow multi-step requests
Faster recovery times and fewer incidents	Able to calm self for bedtime
Happier moods	

MEMORY AND FOCUS

Improved “active listening” skills	Improved focus
Pays closer attention during conversations	Remembers instructions
Improved short-term memory	Recalls more of what he reads
Talks more about memories and past experiences	Stays on task

AUDITORY PROCESSING

Better at following verbal directions	Faster word-finding during conversations
Better at following through with tasks	Decreased sound sensitivity

OTHER

More appropriate energy – useful energy and less hyperactivity	Makes better choices
Less impulsivity	Immune system stability with no PANS flares
More organized	

PROVIDER RECOMMENDATION

Based on the very positive growth seen in his TLP Reassessment, the Provider has advised the family to have Landon complete all four cycles of SPECTRUM Listening. After that, he may begin TLP Achieve, the next level of music listening therapy. Since The Listening Program is helpful in all stages of life, he could listen to TLP indefinitely.

LISTENING SCREENING REPORT: TLP PRE-SCREENING

AREA OF PERFORMANCE	SCORE	ZONES
Learning and Attention	23	2 3
Auditory Processing	18	1 2 3
Speech and Language	20	2 3
Sensory Motor	20	1 3
Social Behavioral	17	1 2 3

QUESTION	SCORE	AREA OF PERFORMANCE / ZONES
1. Difficulty paying attention	4	LA 2 3
2. Poor short-term memory	4	LA 2 3
3. Poor reading comprehension	5	LA 2 3
4. Difficulties spelling	4	LA 2 3
5. Low academic/job performance	2	LA 2 3
6. Difficulty starting and/or completing projects	4	LA 2 3
7. Easily distracted in presence of background noise	4	AP 1 2 3
8. Is oversensitive to certain sounds	4	AP 1 2 3
9. Misunderstands directions or instructions	3	AP 2 3
10. Confuses similar sounding words	2	AP 2 3
11. Difficulty understanding jokes/puns	1	AP 2 3
12. Frequently asks "huh" or "what"	4	AP 2 3
13. Difficulty discrimination sounds	3	SL 2 3
14. Flat and monotonous voice quality	2	SL 2 3
15. Speech lacks fluency and rhythm	2	SL 2 3
16. Difficulty sounding out words	4	SL 2 3
17. Mispronounces words	4	SL 2 3
18. Difficulty summarizing a story/expressing thoughts	5	SL 2 3
19. Hyperactivity	5	SM 1 3
20. Has poor posture, including slouching or slumping	3	SM 1 3
21. Has coordination problems	1	SM 1
22. Difficulty with organization and planning	5	SM 1 2 3
23. Is overwhelmed with sensory information	4	SM 1
24. Confusion of right and left and/or location and direction	2	SM 1
25. Lack of tactfulness	4	SB 2 3
26. Poor social skills	3	SB 2 3
27. Feels overburdened with everyday tasks	2	SB 1 2 3
28. Low stress/frustration tolerance	2	SB 1 2 3
29. Difficulty reading non-verbal communication	3	SB 2 3
30. Poor self-image or low self-confidence	3	SB 1 2 3

LISTENING SCREENING REPORT: RE-SCREENING AFTER 3.5 MONTHS TLP

AREA OF PERFORMANCE	SCORE	ZONES
Learning and Attention	17	2 3
Auditory Processing	14	1 2 3
Speech and Language	13	2 3
Sensory Motor	14	1 3
Social Behavioral	13	1 2 3

QUESTION	SCORE	AREA OF PERFORMANCE / ZONES
1. Difficulty paying attention	3	LA 2 3
2. Poor short-term memory	2	LA 2 3
3. Poor reading comprehension	4	LA 2 3
4. Difficulties spelling	3	LA 2 3
5. Low academic/job performance	2	LA 2 3
6. Difficulty starting and/or completing projects	3	LA 2 3
7. Easily distracted in presence of background noise	3	AP 1 2 3
8. Is oversensitive to certain sounds	3	AP 1 2 3
9. Misunderstands directions or instructions	2	AP 2 3
10. Confuses similar sounding words	2	AP 2 3
11. Difficulty understanding jokes/puns	1	AP 2 3
12. Frequently asks "huh" or "what"	3	AP 2 3
13. Difficulty discrimination sounds	1	SL 2 3
14. Flat and monotonous voice quality	1	SL 2 3
15. Speech lacks fluency and rhythm	1	SL 2 3
16. Difficulty sounding out words	3	SL 2 3
17. Mispronounces words	3	SL 2 3
18. Difficulty summarizing a story/expressing thoughts	4	SL 2 3
19. Hyperactivity	3	SM 1 3
20. Has poor posture, including slouching or slumping	2	SM 1 3
21. Has coordination problems	1	SM 1
22. Difficulty with organization and planning	3	SM 1 2 3
23. Is overwhelmed with sensory information	3	SM 1
24. Confusion of right and left and/or location and direction	2	SM 1
25. Lack of tactfulness	2	SB 2 3
26. Poor social skills	2	SB 2 3
27. Feels overburdened with everyday tasks	2	SB 1 2 3
28. Low stress/frustration tolerance	2	SB 1 2 3
29. Difficulty reading non-verbal communication	2	SB 2 3
30. Poor self-image or low self-confidence	3	SB 1 2 3

THE LISTENING PROGRAM PERFORMANCE ASSESSMENT

SUMMARY OF BAR GRAPH: Pre and Post Testing was completed prior to starting The Listening Program and again after

3 ½ Months of The Listening Program (SPECTRUM program).

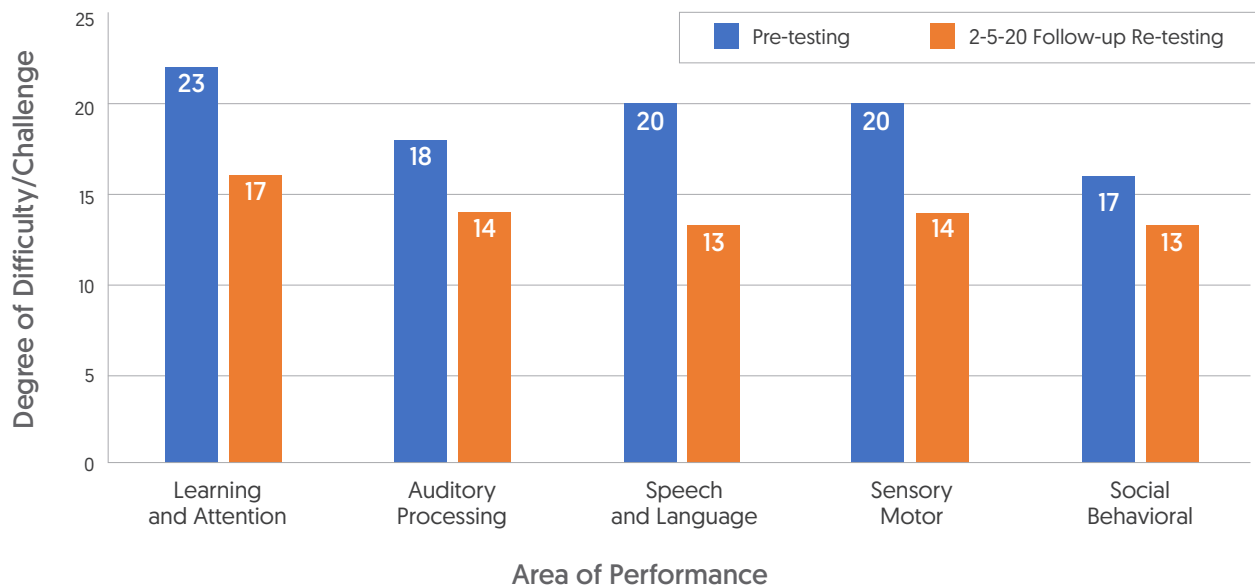
Higher numbers show higher degrees of difficulty/challenge. Lower numbers show improvements in given areas.

The bar chart below demonstrates benefits seen in all areas of development assessed with The Listening Tool.

This chart is intended to accompany the Pre and Post Listening Tool Reports (see attached in full report).

OBJECTIVE: Preferred level of performance for all areas is below a 12.

LISTENING SCREENING TOOL COMPARISON PRE-TESTING AND FOLLOW-UP RE-TESTING



** Higher levels show more difficulty/Lower levels show improvement*