

# TLP Speech and Language Kids 1

(SL Kids 1) #TLPSL003 for stereo speakers



## Description

TLP Speech and Language Kids 1 for stereo speakers includes musical selections that were recorded because they were fun, simple in structure, short, and very accessible. Focusing on all of these elements means that a child's attention can more easily be captured and maintained.



SL Kids 1 for stereo speakers has a significant focus on spatial awareness and sound localization via speaker delivery. With new technologies and creative elements in recording and post-production, we are able to provide auditory stimulation in a totally new way than we have ever been able to do before.

One of the main differences from the Speech and Language Kids 1 CD with Spatial Surround™ Dynamic and Dolby headphone (TLP SL002) that this CD is mastered for use through speakers rather than headphones. It incorporates our process of stereo speaker mastering called Spatial Stereo™. This process allows for distinct separation of the instruments in the stereo field for clear spatial details. By mastering with Spatial Stereo™, the instruments are placed in the stereo field so they can be isolated by the listener. Standard stereo mastering tends to have the instruments blending with one another resulting in less clarity and definition making the sonic information more difficult to process and thus benefit from.

We add movement to the treatment to create Spatial Stereo™ Dynamic. This further helps with sound localization, auditory figure ground, listener interest and bilateral organization.

The mastering process for headphones and speakers are very different. Sound transmission is greatly impacted by the environment it is delivered in. What sounds good through speakers may not through headphones. **This CD is not intended to be played through headphones and should not.** The spatial qualities and volume dynamics will vary greatly resulting in a poor listening experience. However through speakers at a moderate volume it is just right. Ideally this CD will be played through the best quality sound system available to the client. To maximize Spatial Stereo™ Dynamic speakers should be separated by at least 6 to 10 feet no further than 20 from each other. The optimal listening position is in front center equidistant from the two speakers, like the point of an equilateral triangle.

The relation of the ear and language is today, undeniable. Yet it was Dr. Tomatis who discovered a simple, basic fact, just decades ago. It's known as The Tomatis Effect. *The voice reproduces only what the ear hears.* The Tomatis Effect is held in high regard in relation to our development of Music-Based Auditory Stimulation™. SL Kids 1 has a very significant emphasis on the frequencies fundamental to the reception and production of spoken language by focusing stimulation of the frequency zone from 750-4000Hz. This zone covers the fundamental frequencies for many languages, especially North American English and Latin American Spanish. Frequencies from 750-4000Hz are in the zone

where a person has a sense of melody in music. These frequencies affect receptive and expressive language, communication, as well as attention, memory, and control of the singing and speaking voice.

SL Kids 1 focuses on the frequencies on the spectrum from 750-4000Hz and imprints them onto the frequency map of the auditory cortex. According to the work of Dr. Tomatis this is considered the language zone, and involves fundamental frequencies related to receptive and expressive language, melody, memory, pitch control, voice modulation and control. In addition to the frequency emphasis achieved through band pass filtration of 750-4000Hz, the music and instrumentation were selected for qualities that compliment this portion of the sound spectrum.

Because of the new elements included on SL Kids 1 for stereo speakers, we wanted a method of audio bursting that matched the effects created with all the new techniques. The timing and frequency of the new audio bursting create sufficient pauses allowing for periodic rest. This adds to active listening by creating anticipation. This increases the novelty of the experience which is important to exciting neurons.

In previous recordings we have used various techniques to train spatial awareness. The use of Spatial Stereo™ will further enhance the sound stimulation techniques incorporated in The Listening Program. This completely new form of stimulation provides another vital element that will help the listener gain important clues about their world leading to more accurate processing of sensory information.

### **Listening Recommendations**

While SL Kids 1 for stereo speakers contains music specially suited for young children, this does not mean that older children or adults will not thoroughly enjoy it. Because of the additional treatments and open air speaker delivery, it is a different experience from SL Classic 1 and SL Kids 1 for Dolby headphone. SL Classic 1 has more dominance intensity with the slight right ear weighting. Although SL Kids 1 for stereo speakers has no right ear weighting it still has intensity from the many dynamic sonic treatments. With the open air speaker delivery it is ideal for very young children as young as newborns, (there is no age restriction) and listeners who cannot yet tolerate headphones.

Unlike SL Classic 1, SL Kids 1 for stereo speakers be used for Preparatory Listening prior to beginning a Standard TLP Schedule and prior to use of SL Kids 1 for Dolby headphone.


Encourage the listener to attend to where the sound is in the spatial field. Is it in front and to the right, in center or to the left, moving from side to side? At first, many listeners will not be able to localize the sounds. That is a good indication they are in need of this CD. Over time as the listener develops the ability to localize the movement of the sound that indicates that their spatial awareness and sound localization are improving.

Use SL Kids 1 for stereo speakers as part of Preparatory Listening, in Standard Schedule Variations, and independently as needed. Listening times will vary based on the needs of the individual listener.

Speech and Language Kids 1 for stereo speakers is appropriate for enhancing receptive and expressive language, sense of melody, pitch discrimination, fluency, voice modulation and control. It may be used during reading activities, quiet or aloud at a low volume. It may also be used in connection with vocal exercises and may have some benefit with second language acquisition. This is a tremendous tool for voice coaches, reading and learning specialists, speech and language pathologists and those working with communication difficulties. It also proves helpful with attention, memory and concentration. Listeners may practice active listening with SL Kids 1 for stereo speakers but may also hum, sing or explore their voice during their listening sessions.

For additional listening recommendations review the Listening Schedules PowerPoint Presentation.

## Technical Design

CD #	Left Channel Balance	Curves
TLPSL003	0	Steep Curve
A Track	B Track	C Track
Full Spectrum blended with Band Pass Filter 750-4000Hz	Full Spectrum Audio Bursting Band Pass Filter 750-4000Hz	Band Pass Filter 750-4000Hz blended with Full Spectrum
Notes: A and C tracks incorporate Spatial Stereo™ Dynamic. B tracks contain variable audio bursting.		
The Listening Program technical design is patent pending and protected by international copyrights.		

## Compositions

Segment 1			Time
Track 1A	Traditional Irish Montrose	Gaelic Cradle Song Oh My Darling Clementine	( 4:49 )
Track 2B	Traditional Manx Gossec Mozart	Manx Lullaby Gavotte Minuet in G	( 5:21 )
Track 3C	Pleyel Schumann Mozart	Meditation Foreign Lands and People Minuet in B Flat	( 4:24 )
<b>Total</b>			<b>( 14:34 )</b>
Segment 2			Time
Track 4A	Beethoven Poldini Lichner	Minuet in C Waltzing Doll A Short Story	( 5:13 )
Track 5B	Winner Mozart Mozart Traditional	Little Brown Jug Exuberance Minuet in C I'm a Little Teapot	( 5:14 )
Track 6C	Thomas Brahms Improvisation	Gavotte from "Mignon" Sunday Happiness	( 5:20 )
<b>Total</b>			<b>( 15:47 )</b>

<b>Segment 3</b>		<b>Time</b>
Track 7A	Bizet Traditional Schuman	Galop This Old Man Happy Farmer
Track 8B	Mozart Improvisation	Minuet in B Flat Cheerful Thoughts
Track 9C	Bohm Clementi	Moto Perpetuo Sonatina, Spiritoso
<b>Total</b>		<b>( 15:18 )</b>
<b>Segment 4</b>		<b>Time</b>
Track 10A	Mozart Haydn	La ci darem la mano Serenade
Track 11B	Bocherini Mozart	Minuet Baa! Baa! Black Sheep
Track 12C	Traditional US Dancla Grieg	Animal Song Poetry Morning Mood
<b>Total</b>		<b>( 18:06 )</b>
<b>CD Total</b>		<b>( 65:01 )</b>