Multimedia Speech Pathology

Software, Technology and Support
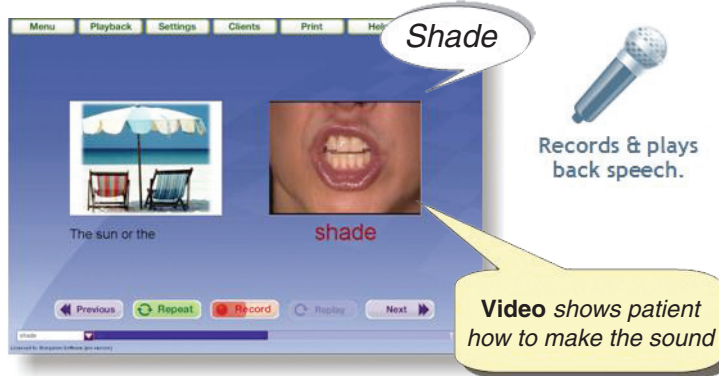
✓ *Cost Effective* ✓ *Motivating* ✓ *Easy to Use* ✓ *For Clinic or Home*

Speech Sounds on Cue

Shows patient how to make simple sounds and speak 530 initial consonant words. Uses photos, text, and video.

Recommended for:
✓ Articulation (Apraxia, Dysarthria)
✓ Word retrieval (Aphasia)

Shade

Records & plays back speech.

Video *shows patient how to make the sound*

530 Exercises plus new rhyming word practice and randomisation option.

Each exercise targets one word, divided into 20 consonant positions. For each exercise it provides:
➤ Color photo
➤ Auditory and written trigger phrase
➤ Written word
➤ Video clip of a speaker
➤ Records and plays back patient's voice for immediate automatic feedback (can be turned off and controlled manually if desired).
➤ Print a poster of sound photos to practice.

Easy to use - Patient can run the entire program just by pressing the spacebar key, or can use the mouse.

Extra Features in Professional Version
➤ Saves your clients' speech for scoring
➤ Includes 300 extra printable exercises for apraxia and aphasia plus scoresheets
➤ Licensed for 2 PCs at one site.

React 2

Comprehensive program for language, semantics, cognition, life skills and pragmatics for adults and children with aphasia, developmental language or learning difficulties.

The latest Australian voice version has over 7,800 motivating exercises, carefully graded in use of vocabulary and task complexity.

Pre paid subscriptions.
Now available for home users under a cost effective 3 or 12 month licence.

A **free 2 week trial CD** now available.

Delivered either on a CD ROM to install on your PC, or on a USB 'Plug & Play' Dongle (plays on multiple computers as long as the Dongle is in the CD Rom drive).

Module 1 – Auditory Processing
Auditory discrimination, Understanding words, Understanding Sentences, Understanding conversations (using video clips)

Module 2 – Visual Processing
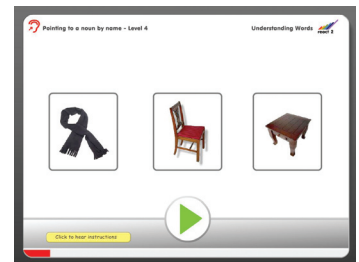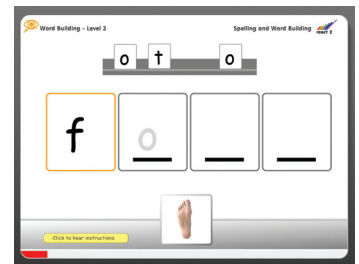Matching, Reading Comprehension, Spelling and Word building

Module 3 – Semantics
Associations, Semantic relationships, Classification/categorization, Category Sorting, Classification/categorization (Negation - pictures), Concepts, Vocabulary and Word finding

Module 4 – Memory / Sequencing

Module 5 – Life Skills
Money (calculations and problem solving), time telling and problem solving, functional reading and pragmatics (including understanding intonation, idioms, getting your message across and given a scenario what would you do?)

BUNGALOW PROGRAMS
Pages 2, 3, 4, 5, 6, 7

18 programs designed for use by the client at home (or in therapy). Allows the client to work at their own speed, gain confidence, motivation and empowerment as they participate fully in their recovery.

Features:
- Hints - user can control the hints and cues.
- Choose multiple choice or typed responses - or record and hear your own verbal responses.
- Motivating Feedback - clear, multi-media cueing for correct/incorrect answers.
- Challenge without failure.

Discount Bundles available.(See order form)
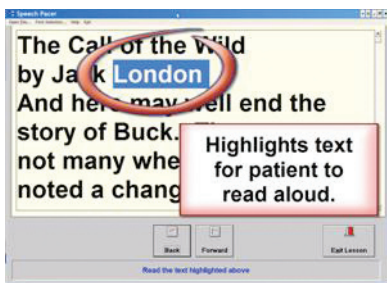Monthly Subscriptions available (see page 7)

Speech Pacer

Helps patient slow speech down or use appropriate phrase length to improve speech clarity. For patients who can clearly articulate single words but have difficulty with longer speech.

Recommended for :
✓ Speech clarity   ✓ Dysarthria
✓ Breath/voice support   ✓ Apraxia

Helps patients learn to speak more slowly or to divide sentences into more natural phrases by having them read out loud at a fixed pace. In some cases, patients try to speak too quickly, making articulation imprecise, or they speak too slowly, making speech awkward. Speech Pacer can help in both of these cases.

Speech Pacer displays reading material on the screen and a reading cursor highlights one part of the text at a time. Patient reads the highlighted portion in the allotted time. Then the cursor highlights the next portion of the text for the patient to read, and so on.

Fully adjustable
You can change:
1. How many words patient reads at one time (reading cursor width): word, phrase, or sentence highlighting
2. Speed at which patient reads:
   ➤ Automatic (timed) cursor advance at any speed.
   ➤ Manual advance (cursor moves when the right arrow is pressed)
3. Text size. Enlarge it for easy reading.
4. The exercises: use your own text files, email, etc. in the Professional version.

Numbers 'n Sounds

Helps patient think of and say numbers, time, money, etc.

Recommended for :
✓ Number retrieval (Expressive Aphasia)
✓ Articulation/speech clarity (Apraxia, Dysarthria)
✓ Speaking numbers, money, and time

Have trouble saying the time, money, or numbers? Can't tell others what time you'd like to go to dinner, or what your phone number is? Numbers'n Sounds can help!

Presents a number as any or all of the following :

➤ Numerals (e.g. 45)
➤ Spoken number
➤ Words (e.g., fortyfive)

...then records **patient's speech** and plays it back with model speech.

Over 2,000 exercises
1. Digits and counting
2. Time
3. Money
4. Phone numbers

Records & plays back Speech

FreeForm Worksheets

Prints paper worksheets for patient to use.

Recommended for :
✓ Auditory comprehension   ✓ Reading
✓ Verbal expression   ✓ Writing
✓ Oral Motor/ Swallowing   ✓ Cognition
                            ✓ Voice

FreeForm was originally created for speech therapists to easily print out written materials for patients to do for homework. Patients have also found it very helpful to print out the worksheets themselves. 2000 exercises organized by treatment category.

Therapists: save time and money
Browse through the treatment categories, preview relevant worksheets, select the ones you want and click the Print button. Change text size for patients with poor vision.

Pro version saves time & markets your service
With the Professional version you can save collections of worksheets (e.g., "Head Injury"). You can even print out a custom workbook with a title page and your name at the bottom of every page. Site license for 2 computers.

Sights 'n Sounds 1

Now with Australian voice.
Helps patient think of the right word and say it clearly

Recommended for :
✓ Word retrieval (Aphasia)
✓ Articulation/speech clarity (Apraxia, Dysarthria)

Presents a cue and records patient speaking the word. Patient then listens to their speech and a model voice for comparison.

Change difficulty
by presenting any or all of these cues:

➤ Written word
➤ Spoken word
➤ Picture

Easy to use
Runs with just the spacebar

Records & plays back Speech

500 exercises in 6 Lessons

Lessons for speech clarity (articulation, etc.)
1. Consonant-Vowel Syllables
2. Words Organized by Beginning Sound
3. Words Organized by Ending Sound

Lessons for speech clarity and word-retrieval
4. Pictures and Words of things (nouns)
5. Pictures and Words for actions (verbs)
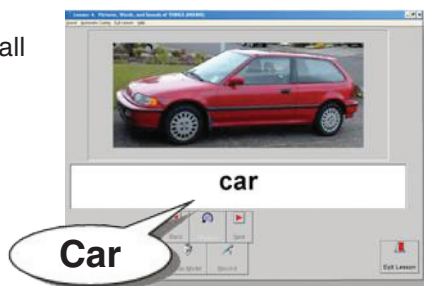6. Words for abstract concepts

Create your own exercises
Unlimited, personalized therapy practice in Deluxe or Pro version. Add pictures, sounds, and words. Include the specific words or phrases the patient needs to work on: friends, family, hobbies, etc. Or, create more challenging exercises. You could include a written question "Your granddaughter____" and a spoken answer ("Emma").

Editing is easy. Select a lesson, click Edit Lesson. Change anything you like. Type in a new word. Record a new sound. Select a new picture, etc.

Home - No custom exercises.

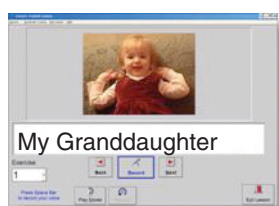**Deluxe** - Add 600 custom exercises.

Pro - Add 600 custom exercises in each of 600 custom lessons. 2 PC site license.

Add personalized lessons

Sights 'n Sounds 2

Now with Australian voice
Helps patient think of and speak sentences.

Recommended for :
✓ Sentence construction (Aphasia)

✓ Articulation/speech clarity (Apraxia, Dysarthria)

Presents a cue and records patient speaking the word. Patient then listens to his/her speech and a model voice for comparison.

Change difficulty
by presenting any or all of these cues:

➤ Part (or all) of a sentence
➤ Spoken sentence
➤ Picture

Shows part or all of sentence

Easy to use - Patient just presses the spacebar.

Records & plays back Speech

400 exercises in 5 Lessons

1. **Simple conversational phrases**
   Model/Patient: "I'm frustrated. I need help."

2. **Describing pictures (See the screenshot above)**

3. **Answering in the affirmative**
   Cue: "Would you like to go out to eat?"
   Patient: "Yes, I would like to go out to eat."

4. **Answering in the negative**
   Cue: "Is it lunch time?"
   Patient: "No, it is not lunch time."

5. **Interrogative reversal**
   Cue: "My daughter is getting married."
   Patient: "Is your daughter getting married?"

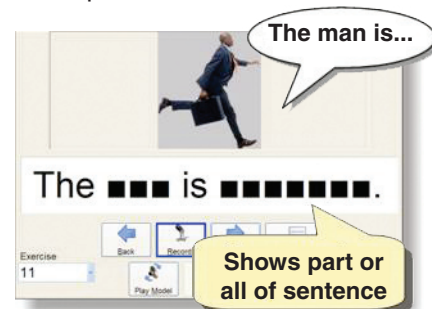### Add your own words, pictures, and speech
Deluxe and Professional versions let you add change any exercise or add your own exercises such as conversational phrases, speeches, sermons, phrases for common activities, social phrases, etc.

Home - No custom exercises.
Deluxe - Add 3 custom lessons.
Pro - Add 100 custom lessons (10,000 exercises)
- 2 PC license.

"Custom lessons are wonderful.
I prepared lessons that include words used in my husband's day-to-day vocabulary. The fact that my voice is recorded for him also helps him feel nearer to me while I am at work and he is confined to the house."
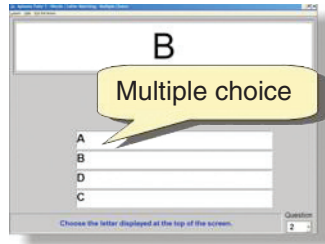*– Marylee Nunley, carer.*

Aphasia Tutor 1: *Words*

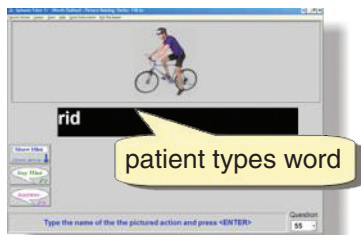Word retrieval (recall), spelling, reading words and typing.

Recommended for :
✓ Letter & word recognition
✓ Word retrieval (Aphasia)
✓ Typing
✓ Written naming

Displays cues (letters, words, pictures) to patient. Patient answers by choosing from a list or typing an answer. After an incorrect answer, patient gets a hint and another try. Fill-in exercises give increasing assistance if patient continues to answer incorrectly. Hints include: showing which letters of the answer are correct, or a list of possible answers, etc.
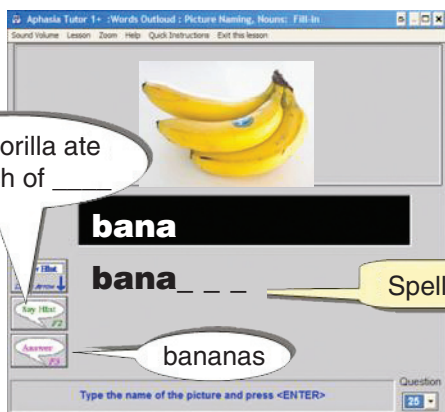

Lesson 1, (easiest)

Multiple choice

patient types word

Lesson 8, fill-in (hardest)

Over 700 Exercises in 8 lessons
1: Letter matching (multiple choice)
2: Letter copying (fill-in)
3: Word matching (multiple choice)
4: Word copying (fill-in)
5: Picture-word matching: Nouns (multiple choice)
6: Picture Naming: Nouns (fill-in)
7: Picture-word matching: Verbs (multiple choice)
8: Picture Naming: Verbs (fill-in)

Aphasia Tutor 1: *Words Out Loud*

"Out Loud" has all exercises & features of Aphasia Tutor 1: Words (above) **plus spoken cues and answers**, *(in Australian voice) for extra help. Word retrieval (recall), spelling, and reading words.*

The gorilla ate a bunch of ____

bana

bana_ _ _

Spelling Hint

bananas

Aphasia Tutor 1+ Deluxe version, Picture Naming
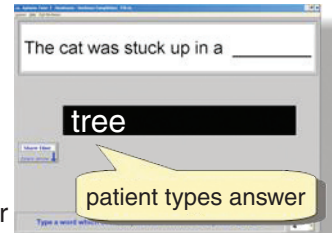with hint (*"The gorilla ate..."*) and answer spoken out loud (*"bananas"*)

Aphasia Tutor 2: *Sentences*

Word retrieval (recall), spelling, and reading words.

Recommended for :
✓ Word retrieval (Aphasia)
✓ Typing
✓ Written naming (Aphasia)

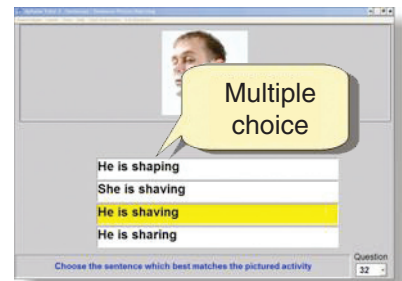Displays a phrase, sentence, or picture to patient. Patient selects the answer (multiple-choice) or types answer.

After an incorrect answer, patient gets a hint and another try. Gives increasing assistance if patient continues to answer incorrectly.

The cat was stuck up in a _____

tree

patient types answer

Lesson 4, Sentence completion

Hints include:
➤ Spelling help if patient gets close to the word.

➤ Shows which letters the patient got right.

➤ List of possible answers to copy from.

➤ List of possible answers with correct answer highlighted.

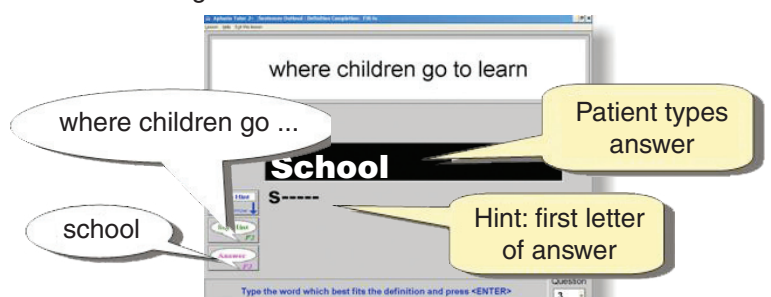➤ First letter of the answer: t--- for tree. (Deluxe & Pro)

Multiple choice

He is shaping
She is shaving
He is shaving
He is sharing

Lesson 7 Sentence-Picutre matching

Over 700 Exercises in 7 lessons
1 & 2:   Phrase completion: multiple choice & fill-in
3 & 4:   Sentence completion: multiple choice & fill-in
5 & 6:   Definition completion: multiple choice & fill-in
7:        Sentence-picture matching

Aphasia Tutor 2: *Sentences Out Loud*

"Out Loud" has everything in Aphasia Tutor 2: Sentences (see above) plus it **speaks** the cues and answers, for extra help. For word retrieval (recall), spelling, and reading words and sentences.

where children go to learn

where children go ...

School

s-----

Patient types answer

school

Hint: first letter of answer

Lesson 6: Definition Completion, Aphasia Tutor 2+ Out Loud.
With hint (*"First letter of answer"*) and answer spoken out loud
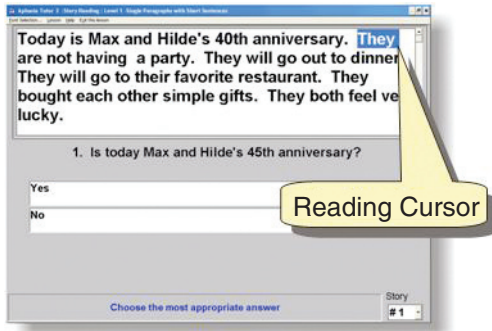
Aphasia Tutor 3: *Story Reading*

Reading comprehension at paragraph and story levels.

Recommended for :
✓ Reading comprehension *(Receptive Aphasia)*
✓ Visual scanning *(Left or Right Neglect)*
✓ Memory *(in Deluxe & Pro versions)*

Displays a story and questions with multiple-choice answers.

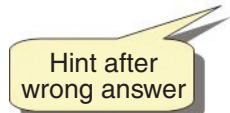With both factual and inferential questions. Stories range in length from 5 sentences to multiple pages.

Reading Cursor

Level 1, large font, with Reading Cursor
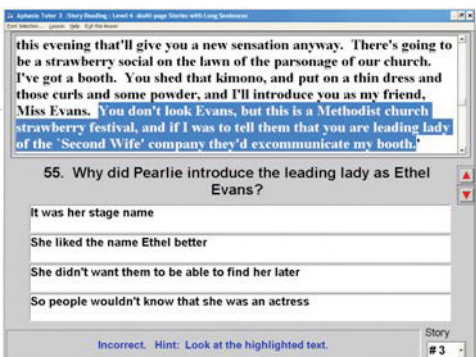
Over 400 exercises, 4 difficulty levels
Four (4) lessons, each at a different difficulty. Each lesson organized in increasing difficulty. Difficulty increases gradually as both stories and questions become more complex.

Easy to read with Reading Cursor & big text
Many patients can read at the word or sentence level, but have difficulty with longer stories because they are overwhelmed by too many words on the page. The Reading Cursor highlights a word at a time (at the patient's speed) allowing them to focus on just one word. See the picture above (Level 1...) for an example of the Cursor. You can also increase the text size to make the stories easier to read.

Hint after wrong answer

Level 4 with *Intelli-hint* highlighting the text that contains the answer.

Intelli-hints guide patient to right answer
After a wrong answer, program highlights the portion of the story that contains the answer.
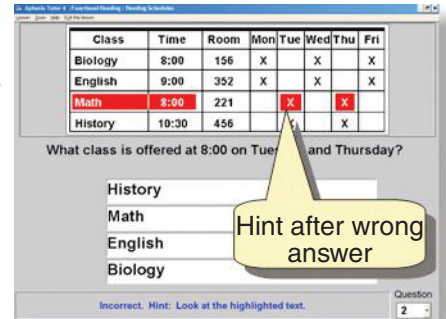
Aphasia Tutor 4: *Functional Reading*

Practical, everyday reading: ads, schedules, recipes, etc.

Recommended for :
✓ Reading comprehension (Receptive Aphasia)
✓ Problem solving (Logic and Reasoning)

Shows real-world reading materials, such as schedules (for TV, classes) recipes, classified ads, etc.

Patient answers factual and inferential questions by selecting the right answer.

Hint after wrong answer

Schedule exercise, with Intelli-Hint.

Multiple lessons, with exercises carefully organized into gradually increasing difficulty. Exercises for:

1. Schedules
2. Newspapers
3. Bills
4. Locating services
5. Warning labels
6. Food, recipes, etc.

Intelli-hints guide patient to answer
After a wrong answer, program highlights the portion of the cue that contains the answer and lets the patient try again. See sample screen photo above.

Red Bar

Visual field awareness. Teaches patient to find left and right side of reading materials, computer screen, etc.

Recommended for :
✓ Visual scanning
✓ Visual field deficits (Left or right neglect)

Shows a vertical red "bar" on the left or right side of the screen to teach patient to notice the left or right side. Users must click the bar periodically, showing they are "attending to" that side. The program guides them to that side if they need help.
Use it simultaneously with any other program for twice the therapy.

1. Reminds patient to click red bar on side of the screen.

2. If patient needs help, program guides patient to the side of the screen. Patient clicks on the black arrow and follows it with the mouse cursor as it moves toward the red bar.

Click on the red bar

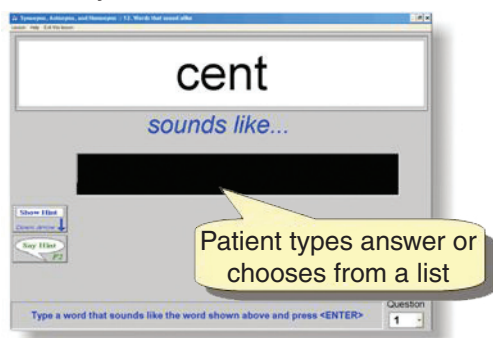**Click on the black arrow**

Synonyms, Antonyms, Homonyms

Word-retrieval and vocabulary

Recommended for :
✓ Word retrieval *(Aphasia)*
✓ Vocabulary development
✓ Reasoning *(Cognition)*

Displays a prompt such as "Up is the opposite of ___".

The patient chooses or types the correct answer. Spoken cues for homonym exercises. Gives increasing help if patient has difficulty.

Level 12: (medium difficulty)

Over 350 exercises. 15 lessons.
Each level (lesson) is just a bit harder. Provides practice finding a word that has the same meaning (Synonym), opposite (Antonym) or that sounds the same (Homonym). Highest levels are very challenging. The patient is given a definition. S/he must then match that to the definition of another word that sounds the same.

Easiest level (#1)
BIG *is the opposite of*
    A. small (Correct Answer)
    B. large
    C. bag
    D. bug

The first 14 levels let the patient gradually work up to level 15.

Most challenging level (#15)
"precipitation is ___", which sounds like the word for :
    A. kitchen appliance which keeps food cold
    B. pants made with denim
    C. the rule of royalty
    D. paper which assists route-finding
Answer: C, which defines "reign," which sounds like "rain" (precipitation).
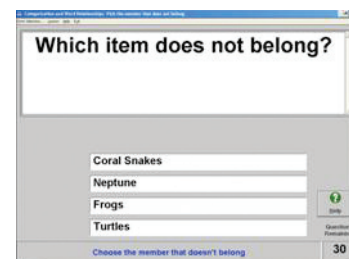
Categories & Words

Improves reasoning ability by relating words to groups.

Recommended for :
✓ Reasoning (Cognition)
✓ Categorization
✓ Memory
✓ Word retrieval

User progresses through exercises from simple category completion and naming though deductive reasoning.

Lesson 3

200,000 questions
6 Levels
1. Match a word to its group
   example: chicken is a: country, bird, food, or building
2. Match the group to the word:
3. Pick the member that doesn't belong
   example: hammer, pliers, spanner, doberman
4. Pick the category based on a rule
   Example: Rule is: "Chicken and pigeon are members, stool is not." Is bench a member?
5. Pick the category based on a memorized rule
6. Deduce the mystery category based on which items are, or aren't, in the category.

Understanding Questions

Comprehension of **wh** questions: **wh**o, **wh**at, **wh**ere, etc.

Recommended for :
✓ Reading comprehension (Receptive Aphasia)
✓ Comprehension of "wh" questions

Displays a question contrasting 2 to 4 "wh" words (who, why, etc.). Patient selects the appropriate answer.

5,000 exercises
Creates a new lesson every time you use it.

Control the difficulty
Select how many **wh** words to contrast.

Level 1 with Hint #1 displayed

Hints help patient
If patient misses question, presents Hint #1. If patient misses again, presents Hint #2.

Understanding Questions Outloud

All the features and exercises of Understandling Questions (above) plus it speaks the questions in a human voice. Deluxe version also lets you hide the written question to work on auditory comprehension.
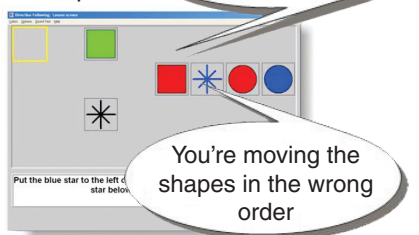
Direction Following + Out Loud

Following spoken and written Instructions.

Recommended for :
✓ Auditory comprehension *(Receptive Aphasia)*
✓ Following instructions *(Sequencing)*
✓ Memory
✓ Reading comprehension *(Receptive Aphasia)*
✓ Visual scanning *(Left / Right Neglect)*

Presents the patient with written and spoken instructions to move shapes around on the screen. Provides cues and feedback if the patient needs help.

Put the blue star to the left of the red square...

500,000 exercises
Creates new exercises every lesson.

200 Difficulty levels

You're moving the shapes in the wrong order

A challenge for any skill level. Lots of options to control the difficulty let you gradually move the patient from the easier to harder lessons. Optionally shows shape names ("large blue square," etc.). Gives written and spoken hints to the patient, e.g., "You are moving the wrong shape."

Medium difficulty lesson: 2 steps, colours and shapes with directions & feedback spoken out loud.

Control the difficulty:
➤ **Number of steps** (0, 1, 2, or 3)
➤ **Complexity of the shapes:** shape names alone, colored shapes, colored shapes of different sizes.
➤ **Foils** - extra shapes that add "clutter" to make exercise more challenging.
➤ **Memory** - hide the written directions when patient begins moving the shapes.

Easiest
"Find the square." Patient simply clicks on the square.

Hardest
3-steps, 2 sizes, shapes & colors, 10 foils.

"Put the large blue square to the left of the large red circle before you put the small green circle to the right of the large white triangle, then put the small black circle to the right of the small red star."

Great for impulsivity control
If patient starts moving shapes before instructions are spoken, the instructions stop and program says "Please wait for me to finish the instructions. I'll begin again."

Direction Following

Recommended for :
✓ Following instructions (Sequencing)
✓ Memory
✓ Reading comprehension (Receptive Aphasia)
✓ Visual Scanning (Left or Right Neglect)

For reading Comprehension. The same instructions as Following Directions + Outloud but gives written instructions and hints only - no spoken voice.

$50 Monthly Subscriptions

Can't decide and want variety?
Use all these programs for as long as you choose.
(All you need is internet access and a credit card)

Speech Sounds on Cue (Page 1)
Sights'n Sounds 1 (Page 3)
Sights'n Sounds 2 (Page 3)
Numbers'n Sounds (Page 2)
Speech Pacer (Page 2)
Aphasia Tutor 1: Words (or Out Loud version) (Page 4)
Aphasia Tutor 2: Sentences (or Out Loud version) (Page 4)
Aphasia Tutor 3: Story Reading (Page 5)
Aphasia Tutor 4: Functional Reading (Page 5)
Synonyms, Antonyms, & Homonyms (Page 6)
Categories and Words (Page 6)
Understanding Questions +Out Loud (Deluxe) (Page 6)
Direction Following +Out Loud (Page 7)
FreeForm Speech Therapy Worksheets (Page 2)

Home vs. Deluxe vs. Pro explained
All Bungalow programs are available in a *Home version* for patients and *Professional (Pro)* for therapists. Several come in an "in between" *Deluxe* version that provides *Pro* features for use by one patient.

Professional version features:
➤ **Automatic Progress tracking**, for each patient, to save therapists' time and effort. Paste progress data into standard documentation.
➤ **Extra skill levels**. You control the difficulty, such as fewer choices in multiple-choice exercises, extra hints for fill-in-the-blank, etc.
➤ **Additional features** which vary by program. Examples: *Sights' n Sounds (1 & 2)*: add your own exercises. *Aphasia Tutor (1+ & 2+)* : extra features for memory and auditory comprehension by hiding the visual cue, etc.
➤ **Tech Support & Upgrades for 6 months** (2 months for Deluxe/ Home).
➤ **2 PC license** allows you to install it on a second computer at the same address (building/site).
➤ Runs from a "non-administrator" or "limited user" account, required by many hospital computer networks.

Minimum System Requirements

Speech Sounds on Cue:
Plays on Windows or Mac. iPad version also available.
WINDOWS
Intel Pentium 4 Processor, Microsoft Windows XP with Service Pack 2, Vista or Windows 7, 512mb of RAM, Working Microphone and speakers (internal or external)
MAC
Power PC G3, G4 or G5 or Intel Processor, MacOS X v 10.4, 512MB of RAM, Working Microphone and speakers (internal or external)
React 2:
Compatible Pentium© (or later processor) PC, CD-ROM drive, Windows© 98, SE, Me, 2000, XP or Vista Operating system, Minimum 64mb RAM SVGA 800x600 (resolution), 16 bit colour display or higher, 206MB of Hard Disc disk space, Working speakers
Bungalow Programs:
Windows XP SP2 or newer. 512MB RAM, 580MB Disk space, 1024 x 768 pixel or larger screen resolution (one Bungalow program, Freeform, only works on 32 bit systems , not 64 bit.)
lingWAVES:
Windows XP, Vista, 7 or 8 (or Mac OS with Boot Camp and installed Windows OS XP, Vista or 7) Hardware: min. Pentium Dual Core, 2 GB RAM, 80 MB on hard disk for installation, recommended min. 50 GB hard disk space for data, speaker, 3 x USB ports, no sound card required (connector cable includes its own quality soundcard.)

Casa Futura Electronic Devices and Apps

These devices and apps are explained more fully on our separate leaflet or on our website.
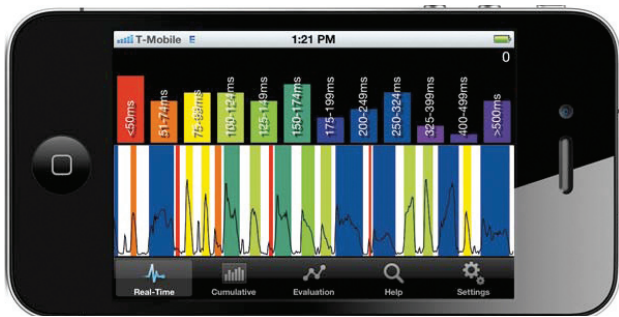Devices are available for loan.

For fluency:

– Delayed Auditory Feedback and Frequency (DAF) and Frequency Altered Feedback Devices reduce stuttering immediately and promote carry over fluency training.

• SmallTalk
• Basic Fluency System
• Clinic DAF (DAF only)

MPiStutter App and Throat Microphone or accelerometer.

Consists of a phonation sensor with an iPhone app to analyze vocal fold activity. It supports Minimum Phonated Interval (MPI) therapy to train stutterers to eliminate too-fast speech elements and speak fluently at a normal speaking rate.
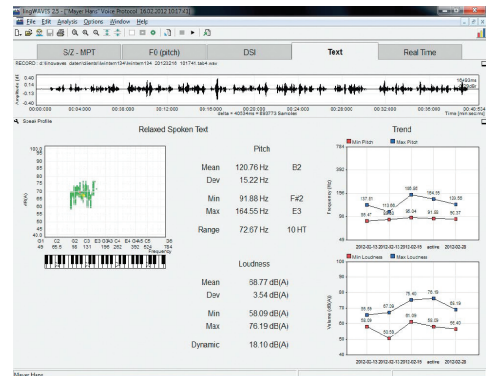
For Parkinsons:

For rate control and increased intelligibility in Parkinsons:
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- **iParkinsons App** and Throat Microphone or accelerometer (adds Multitalker Babble noise option)

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