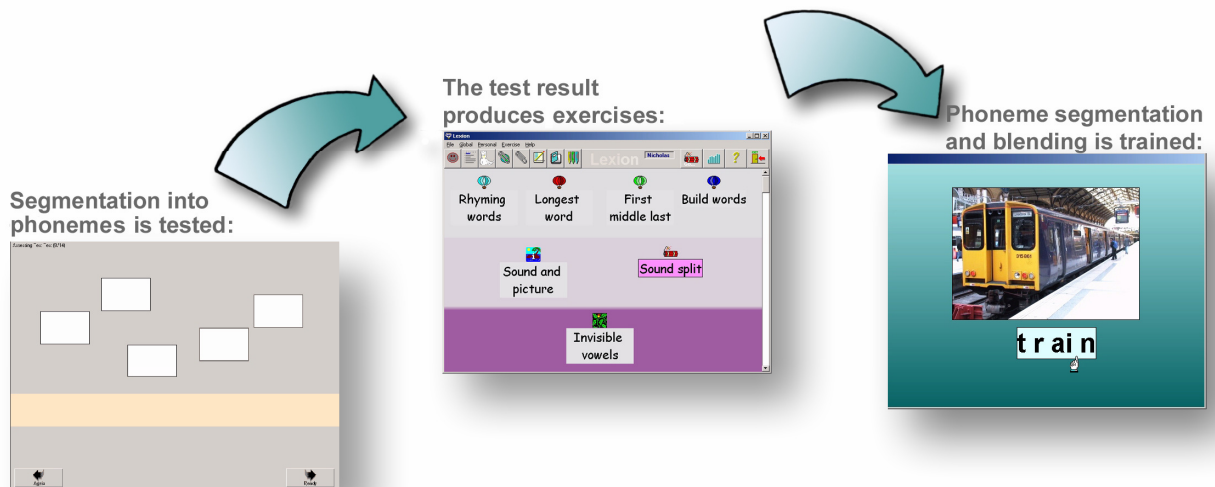


Introduction to Lexion - a multitool system

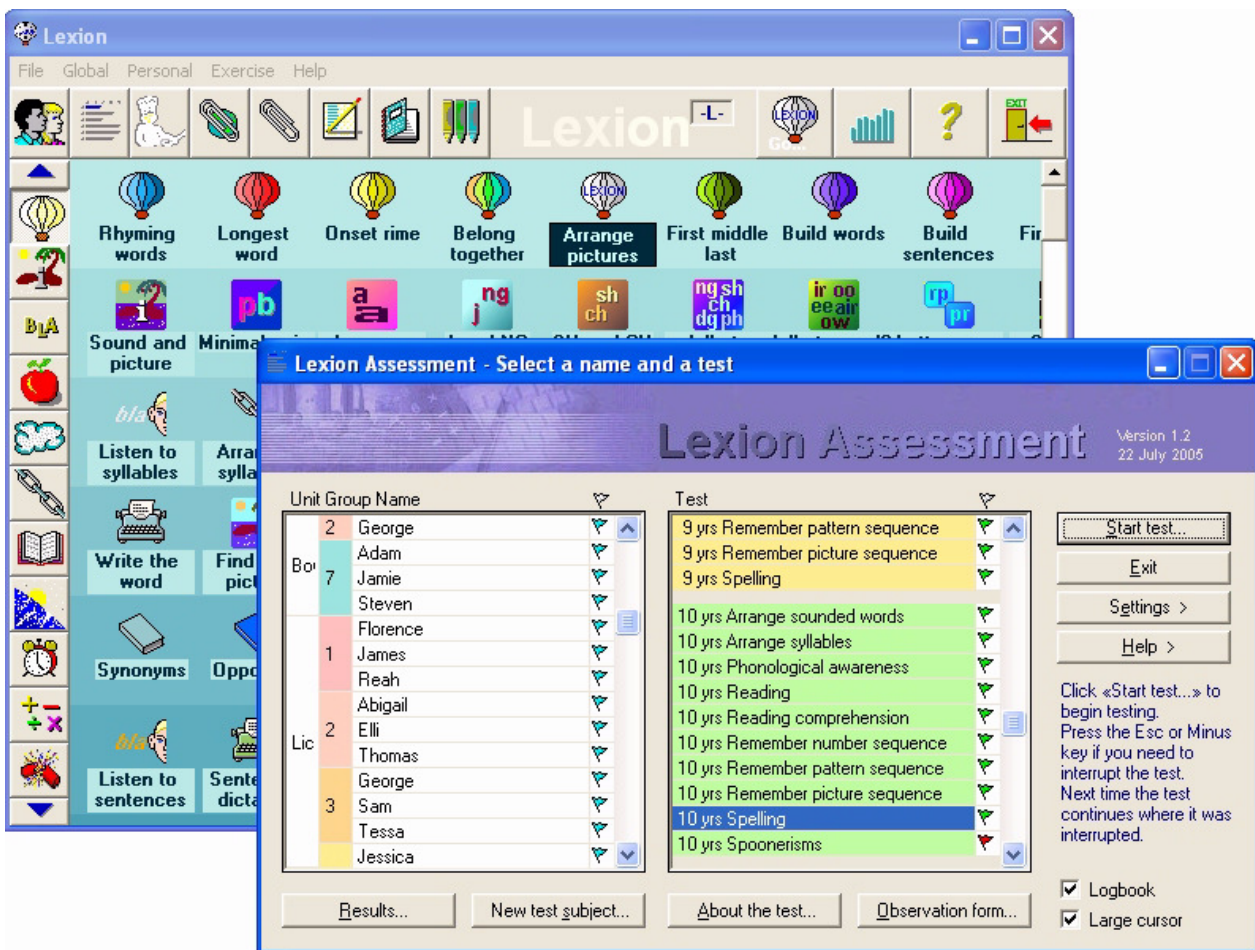
All in one
Lexion Assessment, Lexion Training & Mini Lexion

Lexion

Lexion is a computer-based system for stimulating and training people with dyslexia, aphasia, or language related learning disorders.



Lexion covers the most fundamental processes in reading and writing acquisition, e.g. phonological awareness, letter-sound correspondence, syllable and morpheme segmentation and blending, etc. Grammar, spatial skills, arithmetic and understanding of the clock, and other aspects are also covered.



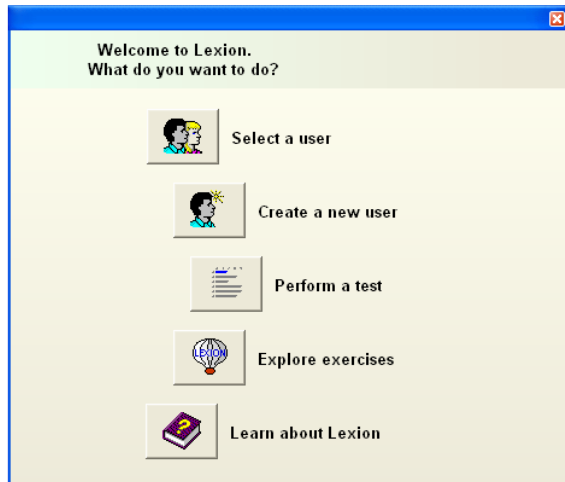
Lexion contains 94 different exercises interwoven according to a thoroughly thought-out educational pattern. There are 1100 age related word lists, more than 2000 photographic pictures and 4000 digital recordings. The word base itself consists of 265000 words. Lexion should be considered an educational tool instead of random exercises under the same roof.

Lexion is based on customised exercises for each individual. A user's set of exercises is created in any of the following ways

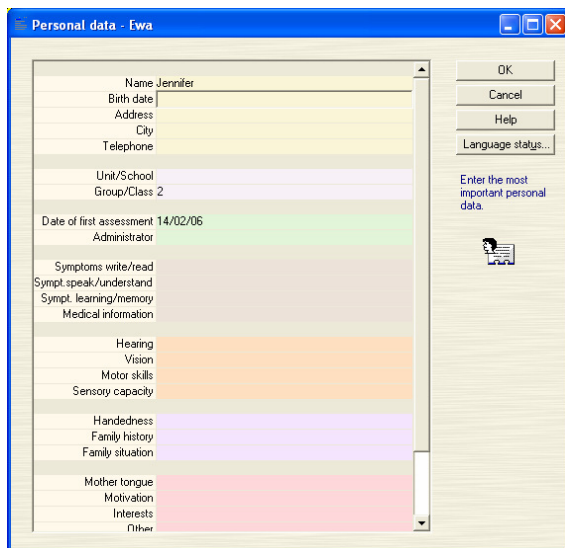
- A. perform a test and let Lexion automatically generate a user profile based on the test results
- B. search the list database to generate a user profile
- C. use predefined profiles
- D. select manually

A. Lexion Assessment

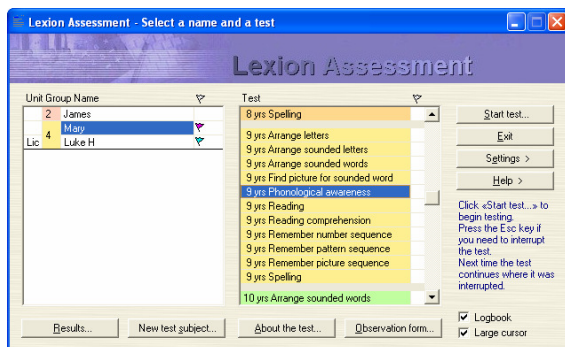
. Steps to perform a test



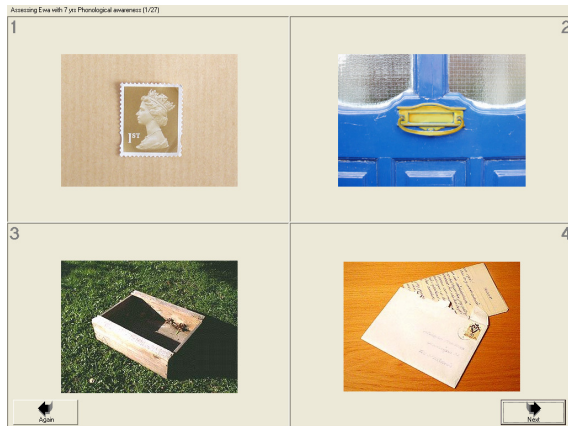
1. "Start Lexion and choose Perform a test"



2. "Fill in adequate information about the test subject".



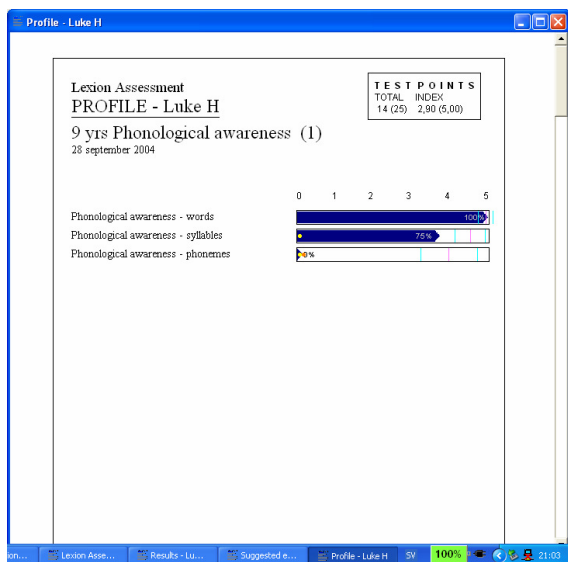
3. "Select a test that is appropriate to the age and problem at issue. To perform each test takes about 15 minutes.



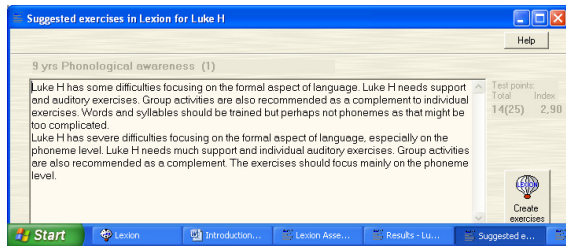
4. “This is a sample of testing phonological awareness on word level”

Series	Task	Answer	Max	Points	Dedu	Resp	Index	
1	28 september 2004	Introduce3						
1.1	9 yrs Phonological awareness (1)	letter = ball = letterbox	1	1	0	-	0.03	
2	Introducaty task	foot + ball = football	1	1	0	-	0.02	
3	Phonological awareness - words	butter = fly = butterfly	1	1	0	-	0.01	
4		motor = egg = motorway	1	1	0	-	0.01	
5		lady = bird = ladybird	1	1	0	-	0.01	
6		pine = apple = pineapple	1	1	0	-	0.01	
7		cowboy = boy = cow	1	1	0	-	0.02	
8		armchair = chat = arm	1	1	0	-	0.01	
9		bookshelf = shelf = book	1	1	0	-	0.04	
10		raincoat = coat = horse = rainbow	1	1	0	-	0.03	
11	Phonological awareness - syllables	car = pet = capset	(None of the	1	0	-	0.53	
12		rag = tin = raglan	raglan	1	1	0	-	0.01
13		mushroom = rush = room	lvngroom	1	1	0	-	0.38
14		necklace = lace = neck	neck	1	1	0	-	0.02
15		rocket = et = rock	stone	1	1	0	-	0.03
16		before = be = four	4peltow	1	1	0	-	0.01
17		luggage = lugg = cabb = cabbage	lax	1	0	-	-	0.04
18		needle = red = need = needle	needle	1	1	0	-	0.95
19	Phonological awareness - phonemes	egg = i = leg	sheE3	1	0	-	1.04	
20		oil = i = oil	oil	1	0	-	0.12	

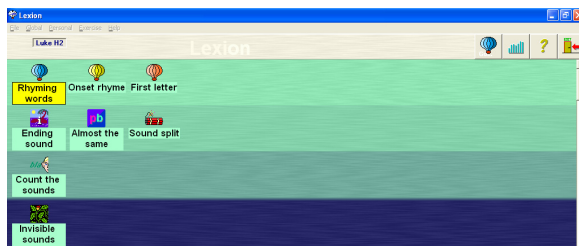
5. “Analysing results: three windows will be presented on the screen. This one shows a detailed result report.”



6. “In the last window you will see a graphical profile. All tests are standardised and the norm values are shown as light blue markers within the bar.”




7. “And in this window you will see a verbal statement describing the test subject’s problems. And above all, an exercise archive in Lexion will be created here, based on the test results, the very point of Lexion. Just click the button Create exercises!”

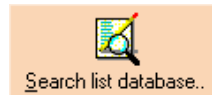


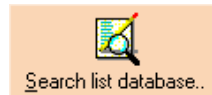
8. “Here you can see the archive created.”

B. Search the list database to generate a user profile.

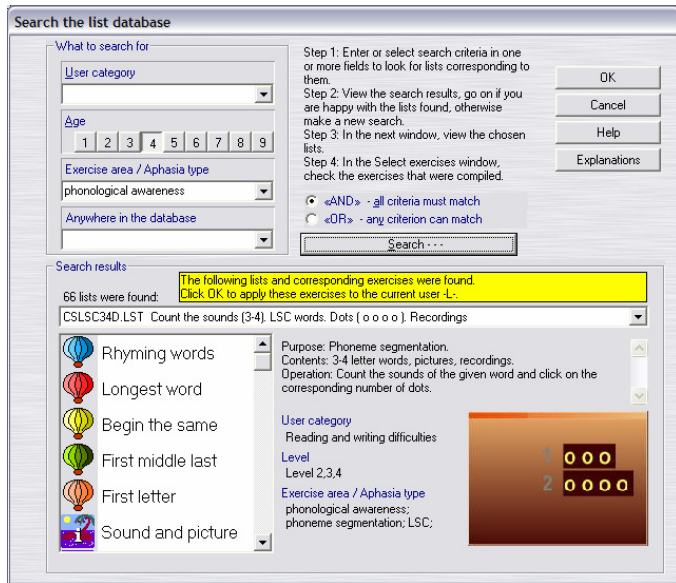


Select  The window is called Select Exercises. Here you may turn on or off any exercise in the main menu for this specific user, whose name is seen in the title bar. Here you may choose **Predefined profiles** or Search the **List database**, the other ways to make an adaptation.



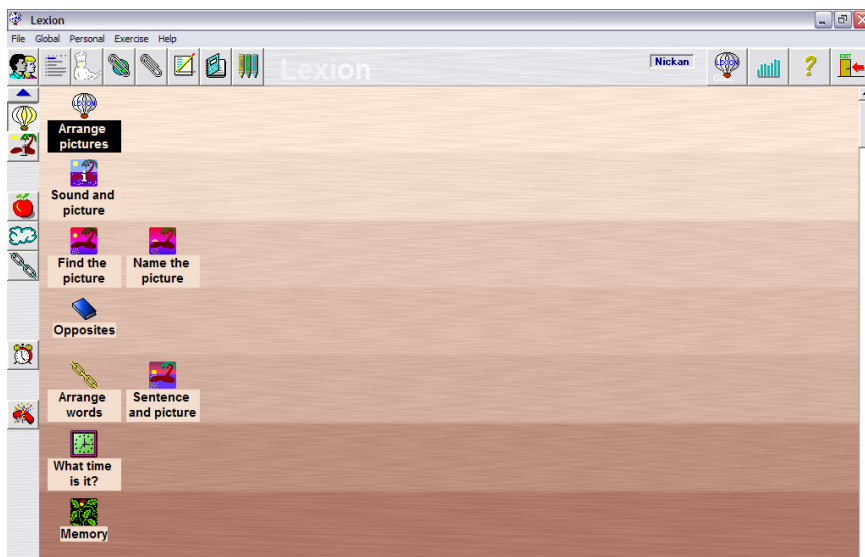
The vast material in Lexion is organised in a database.  offers a convenient way of finding the appropriate material for a given age and educational intention. Lexion collects the material and organises it into the corresponding exercise modules. The user is able to start training immediately.

For instance click on “Phonological awareness” and select an age and the Lexion takes care of the rest.

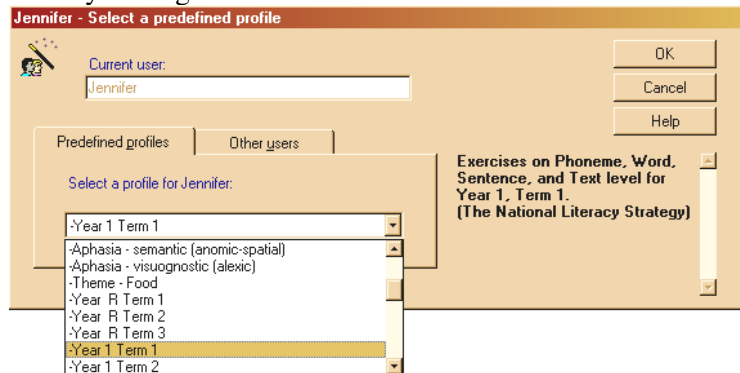


Predefined Profiles.

Upon creating a new user there is an option of giving him or her, the settings of one of the predefined profiles. This user was created by using the settings of an aphasic with mild efferent motor aphasia.



This user has been assigned the profile of an eight-year old pupil not yet understanding the significance of phonemes and therefore of need of training to co-sound letters into words. There are numerous profiles to choose from, among others the Key stages according to the National Literacy Strategies.



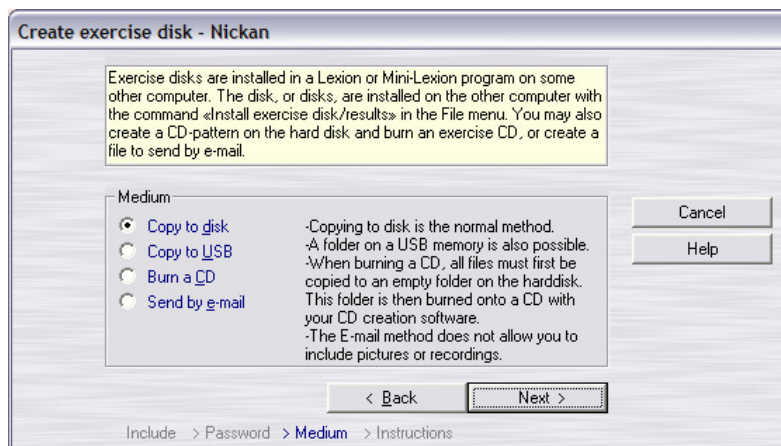
There is also an option of inheriting another user, for whom you have previously made an adaptation.

CREATING EXERCISE DISKETTES

The possibility of creating a diskette to be used for training somewhere else than at the teacher's/speech therapist's, is a unique feature of Lexion. An alternative to the diskette will be to send the exercise settings by e-mail.

Mini-Lexion

There are two versions of Lexion, one complete version for the teacher or speech therapist, etc., and one minimized version, Mini-Lexion, that the user installs, for example at home.




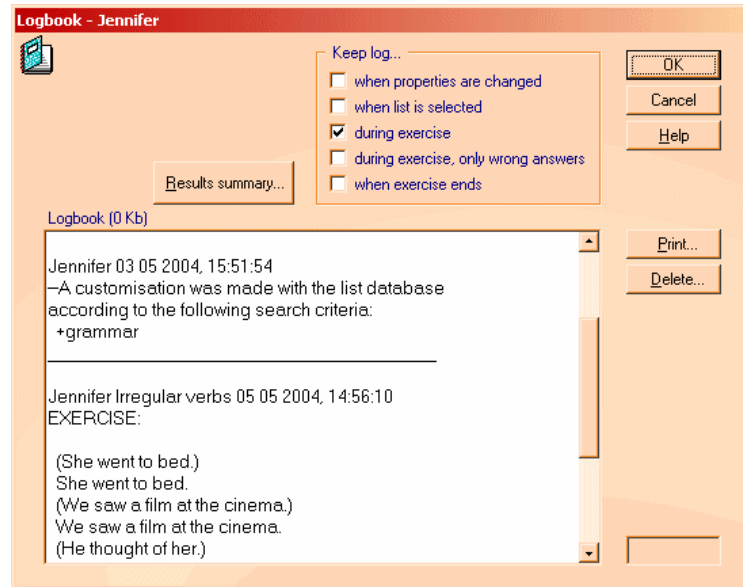


The Logbook

You may ask the *Logbook* to enter what is happening when your user is practising with Lexion. If you also want that your settings of a user's properties shall be documented, you will have to see to it that a logbook is kept of such things. Each time you change a property of an exercise, information is entered in the logbook about what has been done and when.

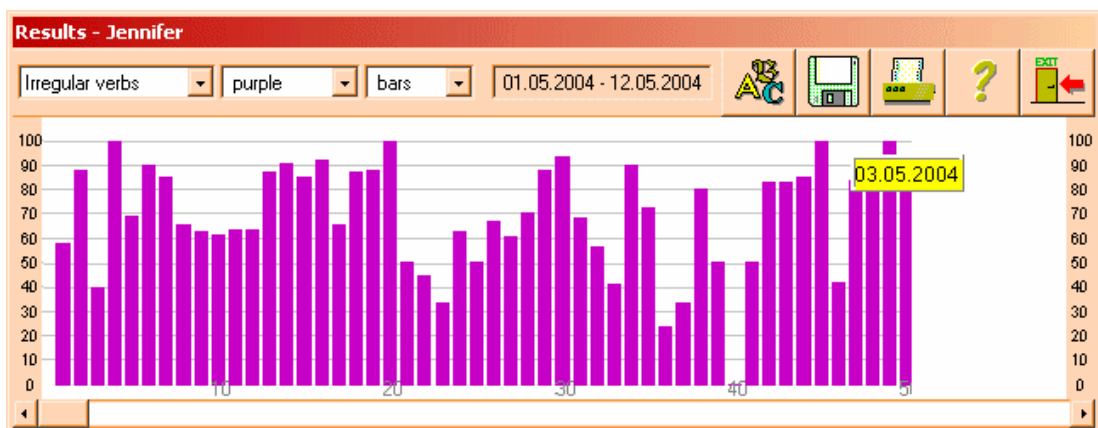


Click  to get to the Logbook.



Results

The results are always available, both for the user and for you. You can go to the Results window from the main menu and from within an exercise.



The Results window

The result is stored when an exercise is ended and at least five tasks of the exercise have been solved.

Summary of results

	Exercise name	Date	Started	Ended	Duration	Max amount	Correc	Wrong	Percent correct	Answer /minute
1										
2	Odd one out	05 05 2004	13:50	13:53	3:15	15 min	15	1	93%	4,9
3	Irregular verbs	05 05 2004	14:56	14:56	0:15	15 min	5	1	83%	24,0
4	Synonyms	05 05 2004	17:49	17:49	0:0	15 min	3	7	30%	40,0
5	What answer?	05 05 2004	17:49	17:49	0:0	10 min	4	4	50%	32,0
6	Long or short vowel	05 05 2004	17:49	17:50	0:15	15 min	6	2	75%	32,0

The table with all the results in summary may be obtained in different ways.

