



IT tools for language development

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INTE*LEARN

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Innovation in Education – Advances in Special Needs Education

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- **IT applications for special needs education**
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INTE*LEARN

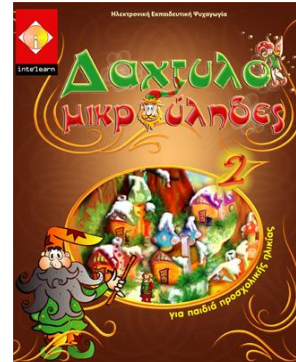
- **Founded in 1989**
- **Targets the introduction and use of information technology in education**
- **Specializing in:**
 - ✓ **Educational design and development of educational software application in e-Learning platform and CD-ROM.**
 - ✓ **Development of tools for the support of educational practice.**
 - ✓ **Translation and localization of educational software.**
 - ✓ **R & D**





INTE*LEARN

The educational software products of Inte*learn, support the educational procedure as they combine high pedagogical value, design and operability.





INTE*LEARN –

Applications for special needs education.

Every child with learning difficulties is characterized by his/her own learning path, level and qualitative combination of difficulties.

In addition, if errors are not addressed appropriately along with the psychological pressure to succeed in school, all this can result in creating learning difficulties.

The computer and the appropriate educational software can contribute effectively in dealing with errors and relieving to a great extent the psychological pressure of success.

The educational software we have implemented as a company, examples of which follow below, aims at addressing the above concerns.

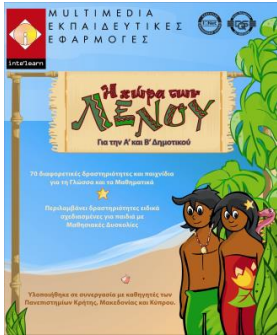




INTE*LEARN – Applications for special needs education.

The Land of Lenou (Η Χώρα των Λενού)

**IT application for children with learning difficulties
in language and math.**



IDEOKATASKEVES (ΙΔΕΟΚΑΤΑΣΚΕΥΕΣ)

IT application for writing essays.



AKTINES (AKTINEΣ) v4.0-S

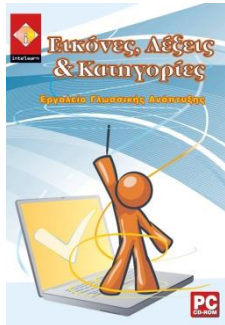
**Series of 112 educational games for people with light
and moderate mental retardation.**



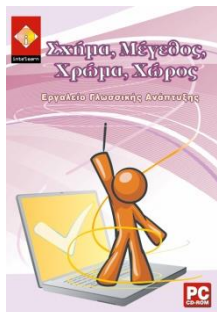
Language development IT tools.



**Write and read without difficulty
(Γράφω απλά – Διαβάζω εύκολα)**



**Words, pictures and categories
(Λέξεις, εικόνες και κατηγορίες)**



**Shape, size, color, space
(Σχήμα, μέγεθος, χρώμα, χώρος)**



Language development IT tools.

The language development tools concern:

Specialists in dealing with restoring language problems:

- Speech therapists
- Special educators
- Psychologists
- Occupational Therapists



In order to support the language learning in children who have: difficulties in verbal and written expression of sounds / letters, words (nouns and verbs), phrases or in categorization of words. As well as, in sequencing, and / or understanding the concepts of size, color, shape, position and / or combinations thereof.

Language development IT tools.

Aims of the educational applications are to create a...

- Interesting
- Attractive
- Motivate
- Supportive
- Inspiring



environment for children with language learning difficulties and more.

Language development IT tools.

These applications help:

- ✓ The development of the dormant language skills of children.
- ✓ Awareness on their part of the phonological, morphological and semantic system of the Greek language.
- ✓ The expand of the language code.
- ✓ The enrichment of their vocabulary.
- ✓ The acquisition of reading and writing autonomy.



Language development IT tools.

They offer...

To children:

- The opportunity to practice skills in a attractive multimedia environment (with animated graphics, sounds, pictures, human voice).

To experts:

- The option to offer individualized and group lessons.
- The ability to customize applications by adapting them to the needs of each child.
- To monitor the progress of each child through the "history" sector.





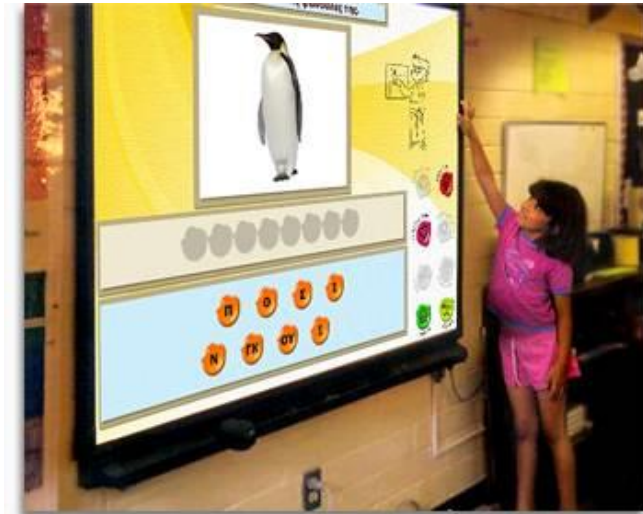
Language development IT tools.

Ways to utilize:

In interventional personalized lesson in order to support children with special educational needs.



In a class or group of children, by using or not, interactive whiteboards.

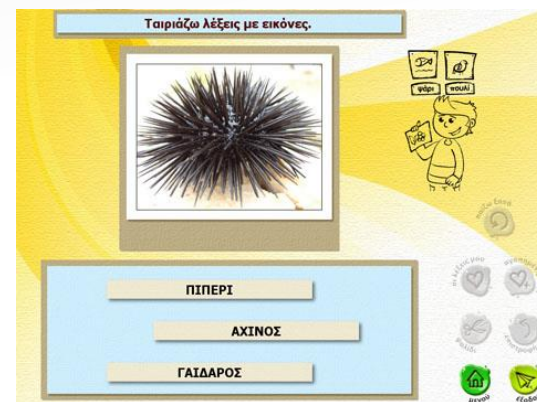


Language development IT tools.

Simple write – read easily (Γράφω απλά – Διαβάζω εύκολα)

Subjects:

- Letter and syllable recognition
- Writing words
- Synthesis of phonemes
- Recognition of representations
- Image description
- Writing sentences
- Temporal sequence of events
- Separation and composition of words into syllables and phonemes.



Language development IT tools.

Words, pictures and categories (Λέξεις, εικόνες και κατηγορίες)

Subjects

- Recognition and spelling of words
(nouns, verbs)
- Image recognition
- Categorization of words
- Recognition of rules
- Memory exercises
- Test pronunciation
- Usability of objects
- Separation and composition of words
into syllables and phonemes

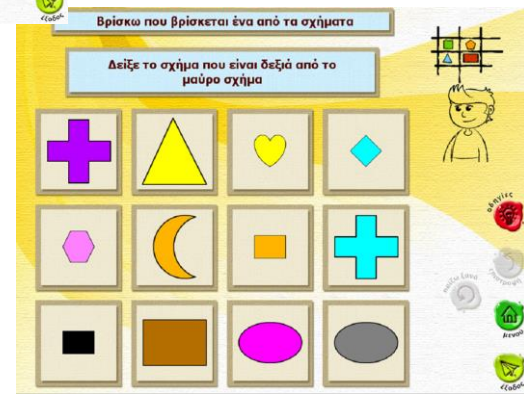
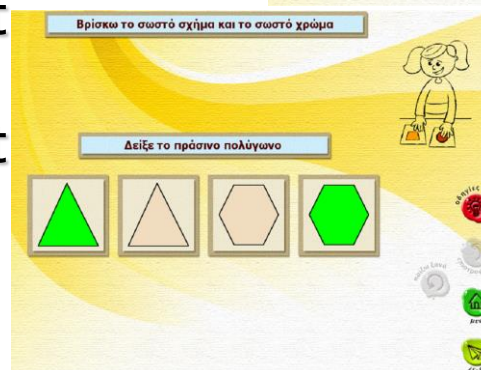


Language development IT tools.

Shape, size, color, space (Σχήμα, μέγεθος, χρώμα, χώρος)

Subjects

- Pattern recognition
- Pattern recognition with respect to sizes
- Pattern recognition with respect to colors
- Pattern recognition with respect to color and size
- Recognition of opposites
- Identifying the location of shapes that are in a row or table of 4 rows and 3 columns and motivating the child to place the objects according to relevant instructions.

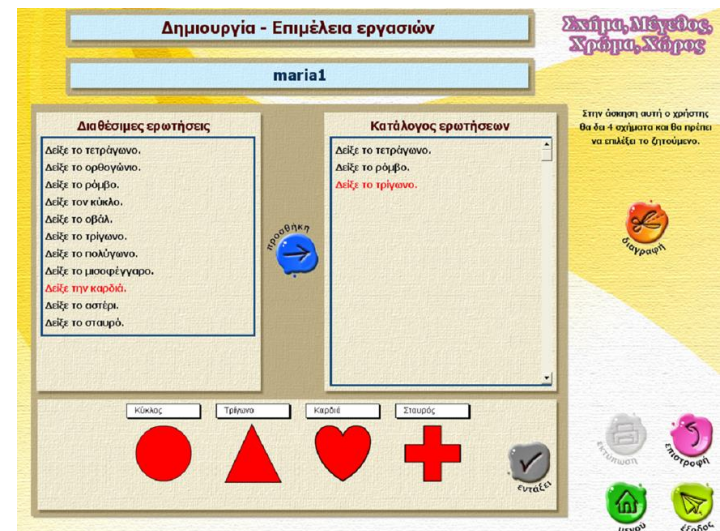
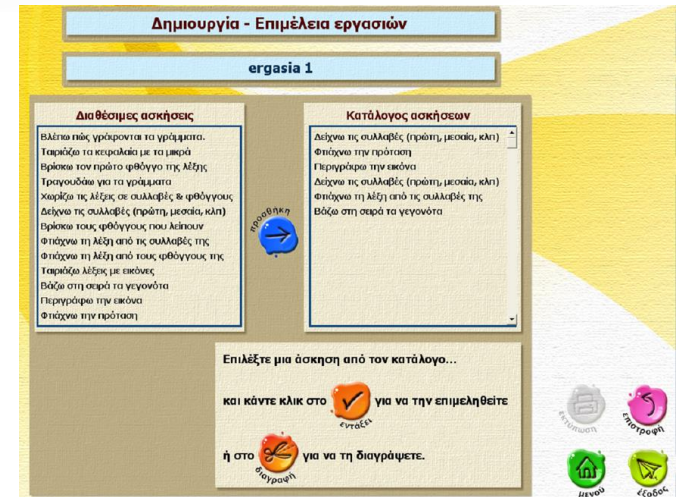


Language development IT tools.

Teacher environment
(for use by the teacher, the parent or expert)

Provides the following capabilities:

- User registration
- Project selection and assignment
- Editing project from previous assignments
- Tracking of data per child



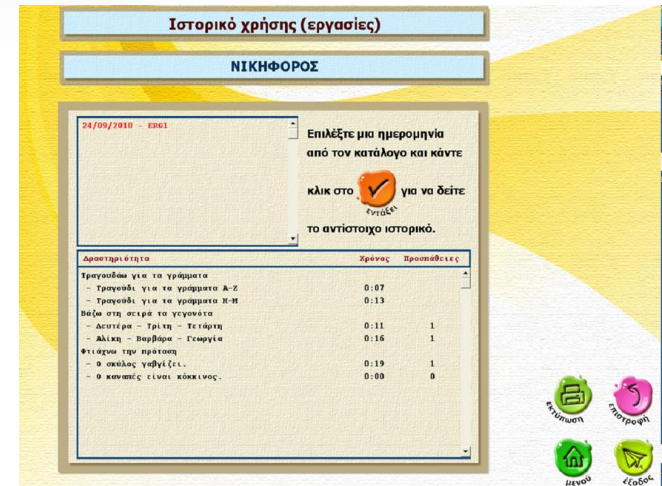
Language development IT tools.

Teacher environment

(for use by the teacher, the parent or expert)

Using the "history" section the teacher has the ability to see :


- The parts of the application visited by the child
- The results of the tasks assigned
- Descriptions of registered images
- The words that the child has entered into his personal "favorites folder words".



Ιστορικό χρήσης (εργασίες)

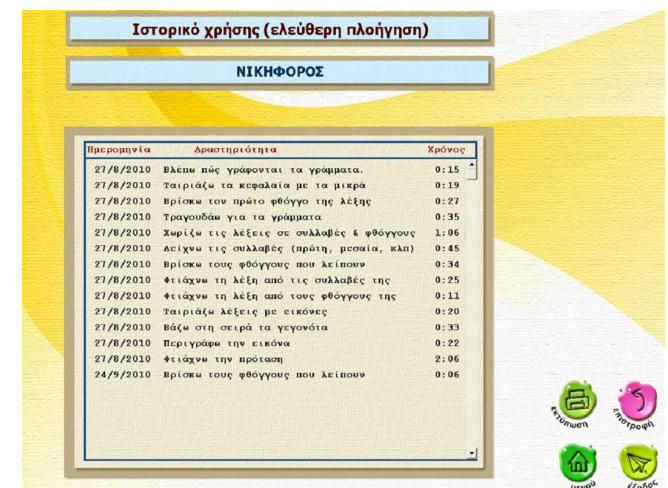
ΝΙΚΗΦΟΡΟΣ

24/09/2010 - ΕΡΓΑΣΙΑ

Επιλέξτε μια ημερομηνία από τον κατάλογο και κάντε κλικ στο  για να δείτε το αντίστοιχο ιστορικό.

Δραστηριότητα	Χρόνος	Προσδόκως
Τραγουδάω για τα γράμματα	0:07	
- Τραγουδάω για τα γράμματα Α-Ζ	0:13	
- Τραγουδάω για τα γράμματα Α-Η		
Πάω στη σειρά τα γεγονότα		
- Δευτέρα - Τρίτη - Τετάρτη	0:11	1
- Αδικη - Παράβα - Γνωρίω	0:16	1
Φτιάχνω την πρόταση		
- Ο σκύλος γαβγίζει.	0:19	1
- Ο κοκορέας είναι κόκκινος.	0:08	0

Εκτύπωση, Εισαγωγή, Μενού, Έξοδος



Ιστορικό χρήσης (ελεύθερη πλοήγηση)

ΝΙΚΗΦΟΡΟΣ

Ημερομηνία	Δραστηριότητα	Χρόνος
27/8/2010	Ελέγω πώς γράφονται τα γράμματα.	0:15
27/8/2010	Ταυρίζω τα κεφαλαία με τα μικρά	0:19
27/8/2010	Βρίσκω τον πρώτο φθόγγο της λέξης	0:27
27/8/2010	Τραγουδάω για τα γράμματα	0:35
27/8/2010	Χωρίζω τις λέξεις σε συλλαβές & φθόγγους	1:06
27/8/2010	Δείχνω τις συλλαβές (πρώτη, μεσαία, κλπ)	0:45
27/8/2010	Βρίσκω τους φθόγγους που λείπουν	0:34
27/8/2010	Φτιάχνω τη λέξη από τις συλλαβές της	0:25
27/8/2010	Φτιάχνω τη λέξη από τους φθόγγους της	0:11
27/8/2010	Ταυρίζω λέξεις με εικόνες	0:20
27/8/2010	Βάζω στη σειρά τα γεγονότα	0:33
27/8/2010	Περιγράφω την εικόνα	0:22
27/8/2010	Φτιάχνω την πρόταση	2:06
24/9/2010	Βρίσκω τους φθόγγους που λείπουν	0:06

Εκτύπωση, Εισαγωγή, Μενού, Έξοδος

Concluding...

These applications include a comprehensive package of special exercises related to the written language and the temporal sequence of events, skills recognition and reading of letters-syllables-words in phonological awareness, in categories - families of words and recognition of objects in spatial position, color, shape and size.





Concluding...

The provision of the ability to specialist / teacher to build a personalized exercise program for each child and to monitor the child's performance in each exercise and the overall progress, is of particular interest.

As a result, he or she will be able to successfully choose the targets for intervention and to more accurately diagnose the learning level of the child.

Furthermore our objective is the implementation of an on line environment for the management of learning materials for special education.



Concluding...

Thank you for your attention

Maria Karavelaki

INTE*LEARN

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