

## Useful Assessment & Educational Software for SEN

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## Introduction

- Lexion
- Nessy Learning Programme
- Lucid CoPs
- AcceleRead/AcceleWrite
- Fallon's Spelling Program
- Lexia Quick Reading Test
- Lexia Basic & Advanced Reading
- Sounds to Words
- Practical Resources for Learning

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## Main Applications

- Lexion
- Nessy
- AcceleRead/AcceleWrite
- Practical Resources for Learning

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## Irish Software

- Practical Resources for Learning- Discovery
- Fallon's Spelling Programme
- Sounds to Words – Learning Horizons

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## Lucid CoPs

- Cognitive Profiling System
- Fully computerised psychometric system
- Standardised for children from 4 – 8
- Identifies children's cognitive strengths and weaknesses

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## Lucid CoPs helps

- Diagnose dyslexia
- Assesses other educational needs
- Identifies various developmental difficulties
- Recognises child's learning style
- Helps in creation of individualised learning activities for child

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## CoPS provides assessment:

- Visual/spatial sequential memory
- Visual/verbal sequential memory
- Auditory/verbal sequential memory
- Visual/verbal associative memory
- Phonological awareness
- Auditory (phoneme) discrimination
- Colour discrimination

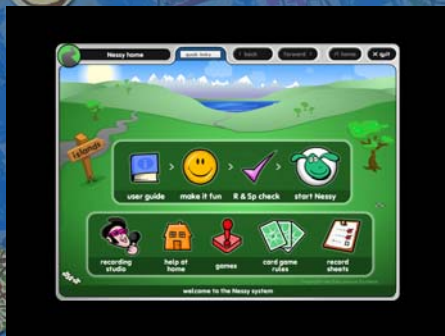
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## Lucid CoPs systems

- Lucid CoPs 4 – 8 years
- Lass Junior 8 – 11 years
- Lass Secondary 11 – 15 years
- CoPs Baseline 4:0 – 5:6
- LADS 16+
- Lucid Adult Dyslexia Screening

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## Nessy



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## Nessy

- Home Screen
- 9 icons
- Hover mouse over an icon to see brief description of that program at bottom of the screen

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## Nessy

**seeing**      **hello**      **sounding**      **doing**

**we teach with**  
**word pictures (seeing)**  
**say aloud (sounding)**  
**writing (doing)**

All these need to be done together and at the same time.  
 If you hear something you are unlikely to remember.  
 If you hear and see you are more likely to remember.  
 If you hear, say, see and do you are most likely to remember.

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## Nessy

- Huge amount of resources
- Structured into 10 colour coded sections
- Each section is set on animated island
- Reading/Spelling checks identify child's starting point
- Reading/Spelling checks in PDF format for easy printing
- Use checks to find weak areas for revision

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## Nessy

**Reading and spelling checks**  
To use the reading check - as the student reads, circle any errors on the answer chart. Here the word 'sharp' has been read incorrectly.

Section	Word	Sound
READ 1	at	fix
READ 2	that	she
READ 3	kidnap	cannon
READ 4	sharp	horse
READ 5	sunny	order
READ 6	they	lu

The answer chart identifies which island to go to and the lesson name that needs to be covered. The word 'sharp' is checking the student's ability to read the 'ar' sound.

The answer chart shows 'ar' in red and the lesson name 'ar' underneath tells you where to go. We can see that this is in the Yellow Island 2 section.

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## AcceleRead/AccelerateWrite

Evidence suggests that:

- Awareness of sounds of letter patterns & ability to identify individual sound units (phonemes) is essential for development of reading
- Emphasis on link between visual and auditory

## Chief elements in program

- Multi-sensory combining vision, sound and touch
- Develops visual & listening memory
- Highly structured
- Builds on regular revision
- Allows progress to be evaluated
- Encourages development of ICT skills

## Equipment & materials

- Computer
- Talking word processor (Textease)
- Speakers/headphones
- Structured sentences & record sheets

## Teaching method

- Child reads sentence, with help if necessary
- Child types sentence - each word is spoken by computer. Whole sentence spoken upon completion
- Sentence is corrected if necessary
- Child reads all 4 sentences
- Identify letter/sound patterns
- Child types as many words as remembered with same spelling pattern
- Session ends with recording of progress

## Challenges of dyslexia

- Reading difficulties
- Writing: organisation and spelling
- Short-term memory
- Organisation, orientation
- Dyslexics learn differently
- ... Psychological effects of schooling experience

## Lexia Quick Reading Test

- Number of diagnostic reading tests
- Determines students' strengths/weaknesses in decoding skills
- 3 Levels – A, B, C

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## Skill Levels

- A – Reading Skills at 1<sup>st</sup>/2<sup>nd</sup> Class
- B – Reading Skills at 3<sup>rd</sup> /4<sup>th</sup> Class
- C – Reading Skills at 5<sup>th</sup> /6<sup>th</sup> Class/Second level
- Each level – 2 types of test
- Real word tests – assess ability to read real words
- non-word tests – assess ability to apply phonic principles

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## Lexia QRT

- Easy to install
- Easy to administer
- Results are scored and interpreted by the software
- Generate written reports, individual & class

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## Lexia QRT

- Report shows student's specific strengths/weaknesses
- Teacher can focus instruction & learning
- Quick to administer (10 mins)
- Compare reports to indicate areas of improvement
- Suggests skills areas within Lexia programme to remediate weaknesses

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## Lexia Basic Reading

- 3 levels of learning activities
- Designed to capitalise on benefits of computer-based instruction
- Encourages automaticity
- Provides immediate feedback
- Reinforces phonic elements

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## Lexia Advanced Reading

- To help students aged 9-16
- Reinforcement of word attack skills taught in LBR
- Focus is on developing awareness of phonological structure of language
- Students work independently

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