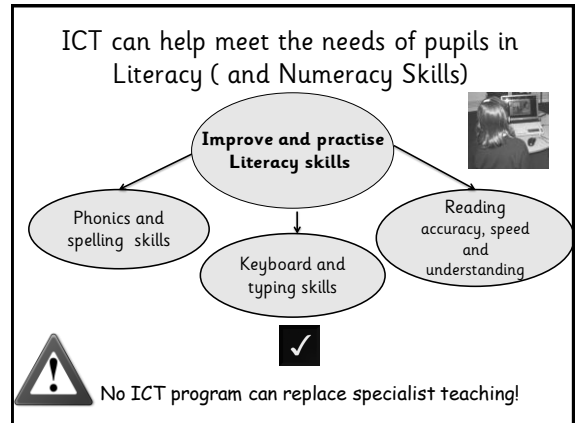
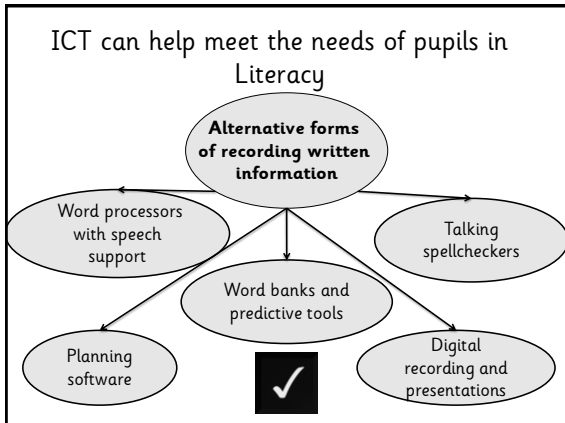
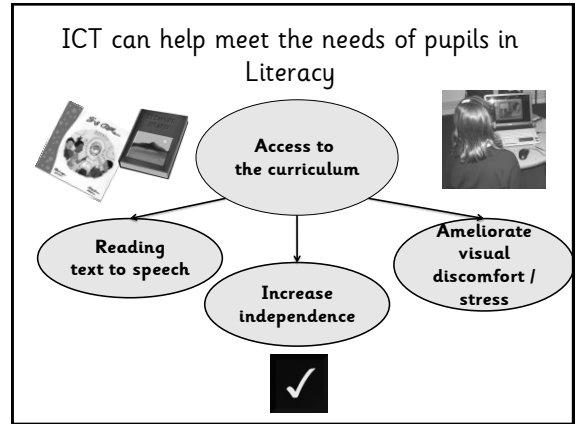


Making the best use of ICT to support Dyslexic Learners

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British Dyslexia Association **NTC**
NEW TECHNOLOGIES COMMITTEE



With appropriate programs and ICT tools pupils will:

- gain confidence and be prepared to have a go
- work independently on tasks
- demonstrate what they know
- overcome frustration & raise self esteem
- become less tired

Interactive whiteboards have features that can help reduce visual stress

- Change the background colour
- Use Dyslexia friendly fonts - Sassoon Infant b p d q
- Use whiteboards tools such as:
 - Reveal blind
 - Spotlight
 - Magnifier
 - Zoom tool

The **Virtual Reading Ruler** is available from www.crossboweducation.com

Accessibility to text and information using talking word processors and other available screen readers

Examples of Text to speech tools:

- Claro Read
- Text Help
- Dolphin
- Thunder (www.screenreader.net)

Examples of talking word processors:

- Clicker Writer*
- Talking First Word
- Write On Line*
- Write Out Loud
- Textease *

*home user license available

Examples of talking books for information and pleasure

- Crick - Clicker 5 books – Find Out and Write About, Trackers & Oxford Reading Tree (ORT), Planet Wobble, Fiction Titles and Traditional tales (various) KS 1-3 www.cricksoft.com
- Sherston - produce a wide range of books such as ORT, Non Fiction – Talking topics, Not So Naughty Stories, Wolf Hill, Songbirds for KS1-2+ www.sherston.com
- Don Johnston – Start to Finish series abridged fiction , classics and non fiction texts for KS 2/3/4 www.donjohnston.co.uk
- Neptune – Learning Library & Non fiction texts for KS1+ www.neptunect.co.uk
- Spin Out Stories Adaptable sets of stories fiction & non fiction with a variety of ability levels and activities for KS2-3 www.r-e-m.co.uk
- Rising Stars – online books using MS Speech www.risingstars-uk.com
- Sounds Great - Simple phonic based stories KS1 www.r-e-m.co.uk
- Rapid reading (see notes below)

Some examples of programs that support reading skills with pupil progress / tracking facilities

- Rapid Reading & Rapid Teacher Tool – www.heinemann.co.uk
- Start to Finish Books Don Johnston – www.inclusive.co.uk
- Spin Out Stories – www.4mation.co.uk
- Cloze Pro – www.cricksoft.com
- Fluency Tutor - www.texthelp.com

Some Low tech solutions to supporting reading

- Reading pen – www.dyslexic.com
- Text to speech tools such as Text Help or Claro read
- Creative use of a talking word processor
- Any interactive talking books

Examples of software and tools that offer alternative formats for recording written information

Onscreen wordbanks with speech support

Clicker 5**, Write on Line - multiple wordbanks (all Crick Software) Textease (not multiple)

Predictive tools

Penfriend – new version out now (includes text to speech tool & available on USB stick)

Co Writer* (Don Johnston) new version out 2010

Write on Line* (Crick) **phonic friendly spelling*
*** with pictorial support*

Predictive tools are also available in Claro read and Text help

Why is mind mapping useful, especially for Dyslexic learners?

<p>Gives the big picture</p> <ul style="list-style-type: none"> • purpose • relationships to other areas of the curriculum • past, present and future <p>For Revision</p> <ul style="list-style-type: none"> • information easier to digest • pictures or keywords to trigger facts • colour and visuals to aid memory 	<p>Plan, add and sort ideas</p> <ul style="list-style-type: none"> • into categories • into relationships • into what is known • and what there is to find out <p>Visual information</p> <ul style="list-style-type: none"> • easier to digest • can add symbols or pictures • use colour
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Planning & mind mapping tools with speech support

- **Inspiration 9** www.dyslexic.com www.taglearning.com (free trial **www.inspiration.com**) **Kidspiration 3** details as above - includes new Numeracy activities
- **Sparkspace** - www.bdastore.org.uk
- **Write On Line – Workspace** – www.cricksoft.com
- **Use MS office Power Point** to plan and structure – from slide to outline view or use Smart Art tools

Voice Recognition

can be very useful for older pupils, however it often needs great support, practice and training
Dragon Dictate – www.dyslexic.com and BDA Store

Portable Writing Aids – Neo from Alphasmart
www.alphasmart.co.uk / www.dyslexic.com / www.taglearning.com
Livescribe Pen from www.dyslexic.com

Low tech ways to support planning and recording



Insert digital recordings into MS Power Point to plan



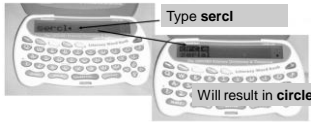
Use Language Masters, (available from Drake Educational and Hope Education - Caliphone) and other digital recording tools such as Talking Postcards or Easi Speak mic (from TTS) or Livescribe pens

Franklin Children's Dictionary

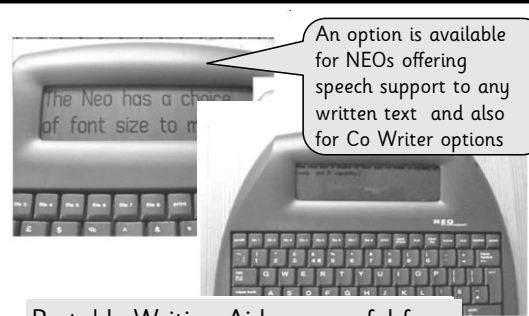
(formerly The Literacy Word bank)
A hand held spellchecker and thesaurus



Franklin offer a range of similar hand held spellcheckers for all ages and abilities



Ghotit (www.ghotit.com) and **Ginger** (www.gingersoftware.com) are downloadable spellcheckers, with speech support, that may be a good alternative to spellchecking in MS Word.
NB both are online applications



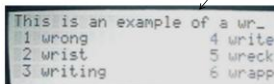
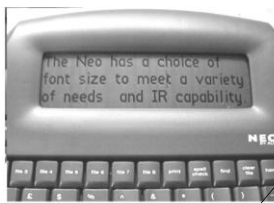
An option is available for NEOs offering speech support to any written text and also for Co Writer options

Portable Writing Aids are useful for those who need access to word processing

Co Writer is a predictive tool available for this portable word processor. (Suggestions can now be spoken with newly available IR speech tool.)

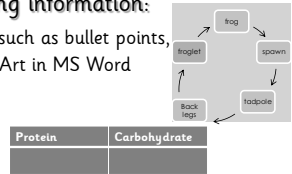
Prediction helps to cut down typing time, keystrokes and removes concerns about correct spelling

Don Johnston , now part of Inclusive Technology, provide Co Writer for NEO writing aids



Other options for recording information:

- Features of word processors such as bullet points, tables, flow charts or Smart Art in MS Word and Power Point
- Power point using audio files
- Digital camera or video clips
- Language masters or talking (recordable) postcards (TTS)
- Pod casts and MP3 or other digital recordings
- Portable writing aids e.g. NEO word processor or Livescribe Pen with digital audio notes facility
- **Voice recognition** (with careful consideration and training)
- Mobile Phones to take digital images, record information



ICT can offer discreet opportunities to support and improve a range of skills especially Literacy

Good programs can be:

- personalised to meet individual needs
- log information and progress
- fun, providing a risk taking, motivating and non judgemental environment
- at a pace to suit the learner

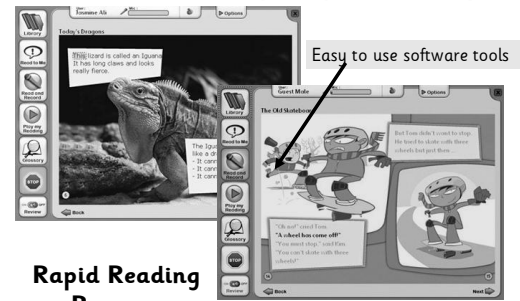
Some examples of programmes that meet all or most of the above criteria are:

- Lexion
- Wordshark
- Nessy
- Track Programs

Other examples of fun programs include:

Fab Phonics
Smart Kids Phonics Programs
Xavier games
Catch Up CD games
Lexia

Pupils share a story book with an adult and then practise the text using voice recognition technology and then have their recordings analysed for accuracy

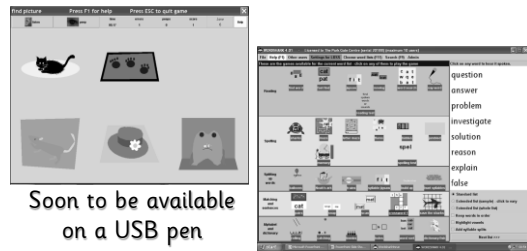


Lexion offers a wide variety of activities that can be modified and tailored to meet needs of learners from KS 1 to KS4 with detailed pupil tracking and assessment



Wordshark 4 (and also Numbershark 4)
Whitespace www.wordshark.co.uk

An example of a program that can help improve skills in an enjoyable way from KS1 – adult – with pupil tracking



Nessy KS 1-3 – well structured program for phonics, reading and spelling. (New version in 2010)

All key record keeping and assessment on new version uses ICT and it has many new games and activities, including animated phonics and difficult spellings as visual mnemonics to aid recall.

- Computer games available as stand alone package.
- Personal words can be recorded for ICT games.
- Teaching guidance and additional pdf games and activities included



What can Dyslexics expect in the future?

- Making the best use of existing technology
- ICT friendly environments in new build schools
- Web based learning platforms available at home and school
- More portable and / or individualised tools
- Books for all – accessible books
- Programs and tools that harness the full potential of technology to help improve skills
- Improved funding ? (following Rose Report)

Time for training and technical support underpins all the above!