

RST

Where Rehabilitation,
Science and Technology
changes lives!

Department of Rehabilitation
Science and Technology

School of Health and
Rehabilitation Sciences



**Technology to
Accommodate Information
Processing Impairments**

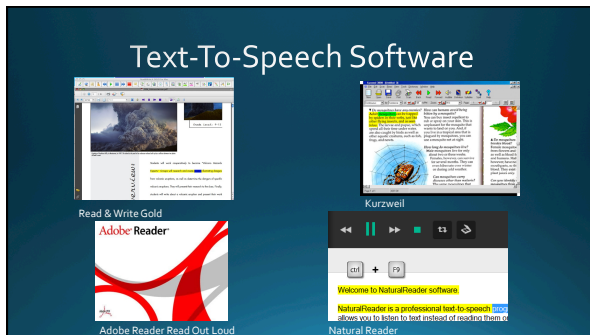
Information Processing & TBI

Other Conditions

Affected Activities

Reading: Text-to-Speech

Text-To-Speech Software



Evaluating Needs

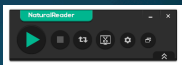
Standalone or Accessory Software

Standalone



Natural Reader (above)
Also Kurzweil

Accessory/Built-in



Natural Reader (above)
Also Read & Write Gold

Built-in Options

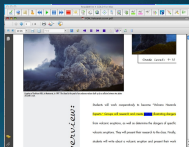
Common Speech Options

Screen Reading

Visual Tracking

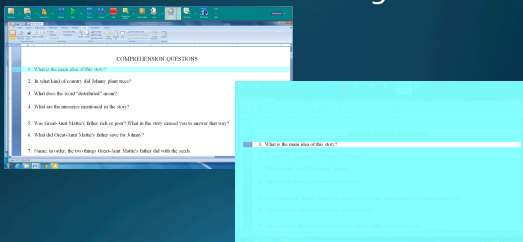


Colored reading rulers

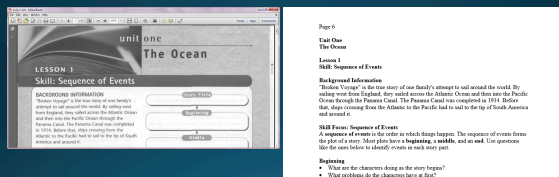


Automatic highlighting

Screen Masking



Formatting

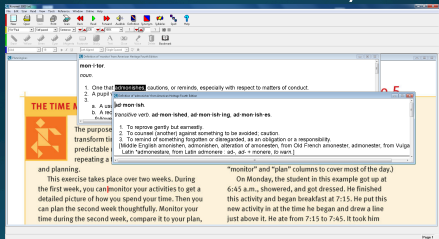


Dictionary Feature

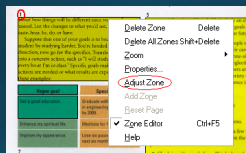
Read & Write Gold Dictionary



Kurzweil Dictionary



Reading Order



Kurzweil Zone Editor

Mobile Options

Mobile Scanning



Apps - e.g. Prizmo



Portable scanners - e.g. WizCom Reading Pen

Writing Tools

Voice Recognition

Voice Recognition: Mobile



Typing: Keyboard

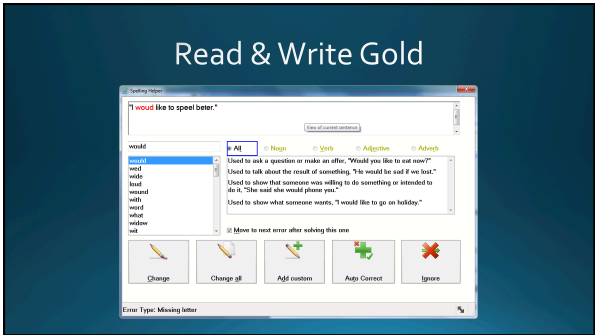


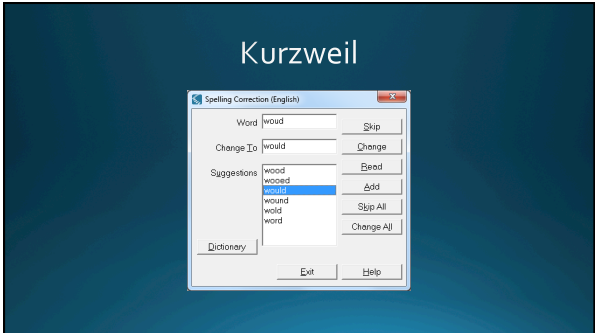
Key labels with increased font, contrast

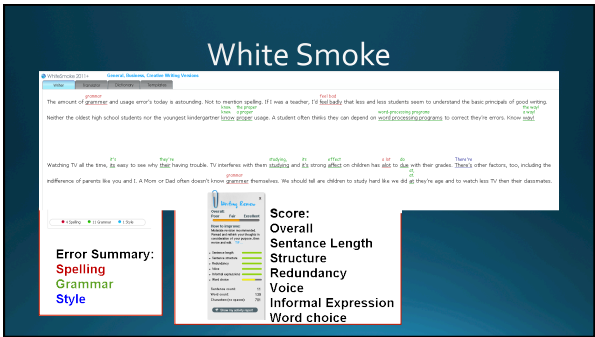
Word Prediction

Audio Proofreading

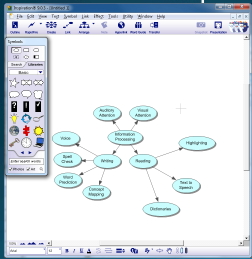
Spelling, Grammar Check







Concept Mapping



The screenshot shows the Inspiration Maps application window. It features a central concept map with 'Auditory Processing' at the top. Below it are 'Auditory Perception' and 'Auditory Comprehension'. 'Auditory Perception' is linked to 'Sound' and 'Hearing'. 'Auditory Comprehension' is linked to 'Meaning' and 'Interpretation'. 'Sound' is linked to 'Vibration' and 'Frequency'. 'Hearing' is linked to 'Ear' and 'Ears'. 'Meaning' is linked to 'Context' and 'Situation'. 'Interpretation' is linked to 'Understanding' and 'Knowledge'. The software interface includes a toolbar on the left and a menu bar at the top.

Inspiration Maps

Auditory Processing

Reducing External Distractors

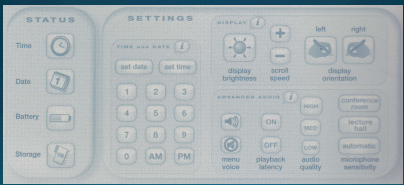
Reducing internal distractors

Note-taking Assistance

Digital Recorders

Livescribe Smart Pen

Livescribe Paper "Buttons"



Livescribe: Using Information

Livescribe Requirements

Note-taking Software

Visual Processing

Visual Processing

Thank You..Any Questions
