

Assistive Technology in Texas Schools Series

Technology Supports for Struggling Readers



Technology Links for Reading Instruction

Assistive Technology in Texas Schools Series



Technology Supports for Struggling Readers is a professional development module that was collaboratively developed by:

- Texas Assistive Technology Network led by Region 4 Education Service Center
- Texas Education Agency



Technology Supports for Struggling Readers is a training module in the *Assistive Technology in Texas Schools Series* developed by the Texas Assistive Technology Network (TATN). Assistive technology is a decentralized function of the Texas Education Agency (TEA) with leadership provided by Region 4 Education Service Center. The network consists of representatives from each of the twenty educational service centers and TEA. For more information or to download the training modules, visit the TATN website at www.texasat.net. The Technology Links for Reading instruction chart is a supplement to the *Technology Supports for Struggling Readers* training module and is provided in draft format in order to collect additional information. Please send input to Diana Carl, Region 4 Education Service Center, 7145 West Tidwell, Houston, TX 77092 or dcarl@esc4.net.

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Foreword and Acknowledgements

Foreword

The *Technology Supports for Struggling Readers* training module addresses the five research based components of effective reading programs: phonemic awareness, phonics, vocabulary, fluency, and comprehension as identified by the No Child Left Behind Reading First Initiative and *Put Reading First: The Research Building Blocks for Teaching Children to Read*. The ***Technology Links for Reading Instruction*** is a supplementary chart that breaks each component into skill areas and links technology to each of the skill areas to support the development of reading ability. The document is provided as a resource tool for professionals, students and parents working with technology to support reading needs. The tools and strategies provided are not intended to be an exhaustive list, but more a resource that provides examples of low-tech materials and software to use to supplement learning. The project leadership believes that the free exchange of information does not necessarily involve endorsement of that information, the websites, links, products, or services contained therein.

Acknowledgements

The project leadership is grateful to the initial Assistive Technology Advisory Committee members at Region 4 Education Service Center (ESC) for their contributions to the initial foundational work on the ***Technology Links for Reading Instruction***. And, special acknowledgement is extended to several members of that committee who also participated in the Steering Committee along with Region 4 ESC staff. The Steering Committee expanded and refined the content of the ***Technology Links for Reading Instruction***. Scott Marfilus, Independent Consultant, Bayside, WI, served as a consultant to the project. The following served as members of the Steering Committee:

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The work of the Texas Assistive Technology Network is deeply appreciated throughout the development of the module. They willingly shared their extensive collective expertise in planning, drafting, editing and producing the product.

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Rhyming: Matching the ending sounds of words starting with the vowel sounds (cat, bat, hat, that)**No Tech/Low Tech:**

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
Word Wall	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom	Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.net	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning Incorporates text-highlighting technique to encourage students to follow words from left to right as they hear them read aloud
Dr. Seuss' ABC	The Learning Company	www.riverdeep.net	Provides students work on phonemic awareness, word recognition, alliteration, and rhyming
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
Jump Start Phonics	Knowledge Adventure, Inc.	www.jumpstart.com	Works on skills in sound recognition, letter recognition, word building, rhyming, digraphs, spelling, vocabulary words, consonants, vowels, blends, and more
Simon SIO Stage One	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words
WordMaker	Don Johnston, Inc	www.donjohnston.com	Appropriate for grade level 1 – 3 and interest level 1-6 Provides lesson plans, develops word walls, collects data Created in collaboration with Dr. Pat Cunningham, creator of the 4-Block Literacy Model
Word Munchers	Riverdeep	www.riverdeep.net	Provides practice in word identification, sentence completion, rhyming, and phonics Offers expanded learning topics in grammar, sentence completion and construction, parts of speech, vocabulary, synonyms and antonyms, and word association
Wiggle Works	Scholastic, Inc.	www.scholastic.com	Offers interactive stories that provide sections for students to write and explore word building strategies Includes soft cover books and audio cassettes with interactive CD Provides built-in accessibility options including switch access

Alliteration: Producing groups of words that begin with the same sound (Two tired turtles tried to take a trip.)

No Tech/ Low Tech:

Magnetic Poetry/Word tiles; Word Strips; Labels	Students select from word tiles the words that have common initial sounds, then build sentences with the tiles	Resources available from www.primaryconcepts.com , www.trcabc.com/ , and www.shadowpoetry.com
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.net	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning Incorporates text-highlighting technique to encourage students to follow words from left to right as they hear them read aloud
Clicker 5	Crick Software	www.cricksoft.com	Provides a user-friendly format for creating simple point & click pages and large graphic file Incorporates accessibility features such as scanning for switch access Pre-made grids available to download http://www.learninggrids.com/us/ Vendor will provide a free 30-day trial CD
Dr. Seuss' ABC	The Learning Company	www.riverdeep.net	Provides students work on phonemic awareness, word recognition, alliteration, and rhyming
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
Kid Pix	Riverdeep	www.riverdeep.net	Offers a user-friendly format for early elementary students to develop independent skills in authoring multi-media presentations

Also see Multimedia Tools, Talking Word Processors and Text Readers

Sentence Segmentation: Segmenting sentences into spoken words (The sentence, "The girl ate two candy bars." segments into six words.)

No Tech/Low Tech:

Magnetic Poetry/Word tiles; Word Strips; Labels	Students manipulate the single words that are placed together to build sentences	Resources available from www.primaryconcepts.com , www.trcabc.com , and www.shadowpoetry.com
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.net	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning Incorporates text-highlighting technique to encourage students to follow words from left to right as they hear them read aloud
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
LightSpan Early Reading Program	LightSpan	www.lightspan.com	Provides Internet and CD-ROM based curriculum addressing oral language development, listening, speaking, awareness of sound, symbol, and structure, skill integration, reading comprehension strategies, writing, vocabulary, and spelling
Sentence Master	Laureate Learning Systems	www.lsys.com	Offers four levels of instruction using high frequency words Assists students in practicing word recognition, sequential recognition, spelling and sentence completion

Also see Talking Word Processors and Text Readers

Syllable Blending and Segmentation: Blending syllables to say words (/pan/ /cake/ blends to pancake, cactus segments to /cac/ /tus/)

No Tech/Low Tech:

Clapping, Singing	Students recognize the segmentation of syllables in words through the kinesthetic association of clapping or singing with each segment	
Letter/blend tiles, labels	Students manipulate the letters and blends that are placed together to build words to separate syllables	Resources available from www.primaryconcepts.com , www.trcabc.com , and www.shadowpoetry.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 – 7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
PLATO® Focus Reading and Language Program	PLATO Learning, Inc.	www.plato.com	Uses a combination of teacher of teacher directed and interactive computer-based lessons to teach the essential skills that serve as the critical foundation for beginning readers, including: phonological awareness, alphabetic principles, visual and auditory memory, auditory processing skills, vocabulary and spelling, sound-letter correspondence, and speech perception and discrimination Utilizes a developmental skills approach to learning for grades K - 3
Let's Go Read	Edmark	www.riverdeep.net	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology

Phonics Alive & Phonics Alive – Sound Blender	Forest Technology	www.phonicsalive.com	Introduces letter shapes, sounds, and blends
Ultimate Phonics	Spencer Learning	www.spencerlearning.com	Provides systematic phonics instruction for all ages
WordMaker	Don Johnston, Inc	www.donjohnston.com	Appropriate for grade level 1 – 3 and interest level 1-6 Provides lesson plans, develops word walls, collects data Created in collaboration with Dr. Pat Cunningham, creator of the 4-Block Literacy Model

Also see Talking Word Processors and Text Readers

Onset-Rime Blending and Segmentation: Separating the initial consonant or consonant cluster (the onset) from the vowel and consent sounds that come after it (the rime). Shirt segments into its onset ‘sh’ and its rime ‘irt’

No Tech/Low Tech:

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
Word Wall	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom	Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Destination Reading	Edmark	www.riverdeep.net	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
Let’s Go Read	Edmark	www.riverdeep.net	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Reader Rabbit Learn to Read with Phonics	Broderbund	www.broderbund.com	Offers two versions: Preschool – Kindergarten and 1 st – 2 nd Grade Incorporates record and playback features
Simon SIO	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words
Teach Me Nouns	Soft Touch	www.softtouch.com	Offers four versions – initial, medial, blends, and final sounds Uses Mayer-Johnson picture symbols
Ultimate Phonics	Spencer Learning	www.spencerlearning.com	Provides systematic phonics instruction for all ages
WordMaker	Don Johnston, Inc	www.donjohnston.com	Appropriate for grade level 1 – 3 and interest level 1-6 Provides lesson plans, develops word walls, collects data Created in collaboration with Dr. Pat Cunningham, creator of the 4-Block Literacy Model

Phoneme Blending, Segmentation, and Manipulation (Deletion): Blending phonemes into words (/m/ /a/ /n/ blends to man), segmenting words into individual phonemes (cat segments to /k/ /a/ /t/), and manipulating phonemes in spoken words (/b/ substituted for /k/ in cat makes bat)

No Tech/Low Tech:

Magnetic Poetry/Word tiles; Word Strips; Labels	Students manipulate the single words that are placed together to build sentences	Resources available from www.primaryconcepts.com , www.trcabc.com , and www.shadowpoetry.com
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Destination Reading	Edmark	www.riverdeep.net	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Bailey's Bookhouse	Riverdeep	www.riverdeep.net	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning. Incorporates text-highlighting technique to encourage students to follow words from left to right as they hear them read aloud
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 – 7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
LeapFrog SchoolHouse	LeapFrog	www.leapfrog.com	Provides multiple learning tools incorporating immediate and positive corrective feedback for students to experience phonics and early reading skills through sight, sound and tactile feedback Offers skills from kindergarten through grade 8 with over 200 books and 267 skill cards Developed to provide students with independent skill practice
Let's Go Read	Edmark	www.riverdeep.net	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Reader Rabbit Learn to Read with Phonics	Broderbund	www.broderbund.com	Offers two versions: Preschool – Kindergarten and 1 st – 2 nd Grade Incorporates record and playback features
Sentence Master	Laureate Learning Systems	www.llsys.com	Offers four levels of instruction using high frequency words Assists students in practicing word recognition, sequential recognition, spelling and sentence completion
Simon SIO Stage One	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words
Teach Me Phonemics	Soft Touch	www.softtouch.com	Four versions – initial, medial, blends, and final sounds Uses Mayer-Johnson picture symbols
Ultimate Phonics	Spencer Learning	www.spencerlearning.com	Provides systematic phonics instruction for all ages
Waterford Early Reading Program	Pearson Digital Learning	www.pearsondigital.com	Provides 3 levels of computer-based systematic instruction each with daily instructional activities as well as take-home materials

Phoneme Blending, Segmentation, and Manipulation (Deletion) – (Continued)			
Product Name	Manufacturer	Website	Description
WordMaker	Don Johnston, Inc	www.donjohnston.com	Appropriate for grade level 1 – 3 and interest level 1-6 Provides lesson plans, develops word walls, collects data Created in collaboration with Dr. Pat Cunningham, creator of the 4-Block Literacy Model

Notes:

Rhyming	Alliteration	Sentence Segmentation
Syllable Blending and Segmentation	Onset-Rime Blending and Segmentation	Phoneme Blending, Segmentation, and Manipulation (Deletion)

Phonics - Elementary: (Alphabetic Understanding, Word Study and Spelling) Sound symbol correspondence, the ability to associate a speech sound with an alphabetic letter. Instruction in how the sounds of spoken language are represented by letters and spellings. Helps children learn the relationships between the letters of written language and the sounds of spoken language.

Letter Sounds: Association of a sound with a letter and letter combination in a written word

No Tech/Low Tech:

Alphabet arc, Letter tiles and magnets	Using letter pieces and an alphabet mat, students manipulate the letters while associating the letter sounds	Lesson plans and materials available at www.alphabetmats.com
Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.net	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning Incorporates text highlighting technique to encourage students to follow words from left to right as they hear them read aloud
Balanced Literacy	IntelliTools, Inc.	www.intellitools.com	Incorporates guided reading, phonics, and writing in song, rime, and patterned language Provides a theme-based approach and sequential presentation of skills Offers low vision mode with full auditory support, switch access, and individualized student documentation
Destination Reading	Edmark	www.riverdeep.net	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Dr. Seuss' ABC	The Learning Company	www.riverdeep.net	Provides students work on phonemic awareness, word recognition, alliteration, and rhyming
Earobics	Cognitive Concepts, Inc.	www.earboics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression
Fast ForWord	Scientific Learning	www.scilearn.com	Offers an early learning version and a middle to high school version Approaches reading from a brain-based learning method Includes assessment tools, skills practice and individualized progression
Jump Start Phonics	Knowledge Adventure, Inc.	www.jumpstart.com	Works on skills in sound recognition, letter recognition, word building, rhyming, digraphs, spelling, vocabulary words, consonants, vowels, blends, and more
LeapFrog SchoolHouse	LeapFrog	www.leapfrog.com	Provides multiple learning tools incorporating immediate and positive corrective feedback for students to experience phonics and early reading skills through sight, sound and tactile feedback Offers skills from kindergarten through grade 8 with over 200 books and 267 skill cards Developed to provide students with independent skill practice

Letter Sounds (Continued)			
Product Name	Manufacturer	Website	Description
Let's Go Read	Edmark	www.riverdeep.net	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Reader Rabbit Learn to Read with Phonics	Broderbund	www.broderbund.com	Offers two versions: Preschool – Kindergarten and 1 st – 2 nd Grade Incorporates record and playback features
Read, Write, & Type	Talking Fingers, Inc.	www.readwriteandtype.com	Utilizes phonics and spelling activities with keyboarding and word processing instruction
Simon SIO	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words
Ultimate Phonics	Spencer Learning	www.spencerlearning.com	Provides systematic phonics instruction for all ages
Waterford Early Reading Program	Pearson Digital Learning	www.pearsondigital.com	Provides 3 levels of computer-based systematic instruction each with daily instructional activities as well as take-home materials
WordMaker	Don Johnston, Inc	www.donjohnston.com	Appropriate for grade level 1 – 3 and interest level 1-6 Provides lesson plans, develops word walls, collects data Created in collaboration with Dr. Pat Cunningham, creator of the 4-Block Literacy Model

Decoding Regular Words: Process of identifying unknown words by knowledge of letter-sound correspondence and blending

No Tech/Low Tech:

Letter/blend tiles, labels	Students manipulate the letters and blends that are placed together to build words to decode the word	Resources available at www.primaryconcepts.com
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Destination Reading	Edmark	www.riverdeep.net	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools. Provides customizable auditory options Allows for individualized progression
Let's Go Read	Edmark	www.riverdeep.net	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology

Decoding Regular Words (Continued)			
Product Name	Manufacturer	Website	Description
Lexia Phonics Based Reading	Lexia Learning Systems, Inc.	www.lexialearning.com	Incorporates phonemic awareness, sound-symbol correspondence, decoding skills, and early comprehension skills ages 5-8
Reader Rabbit Learn to Read with Phonics	Broderbund	www.broderbund.com	Offers two versions: Preschool – Kindergarten and 1 st – 2 nd Grade. Incorporates record and playback features
Simon SIO Stage One and Stage Two	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words, collects data
Ultimate Phonics	Spencer Learning	www.spencerlearning.com	Provides systematic phonics instruction for all ages

Also see Talking Word Processors and Text Readers

Spelling Regular Words: Using letter sounds and segmentation to spell words

No Tech/Low Tech:

Portable Spell Check Devices	Franklin	www.franklin.com	Wide range of versions available that offer features of text-to-speech, synonym/antonym, abbreviation expansion, rhyming lists, handwriting animation, calculator functions, dictionaries, thesaurus, phonetic spell checking, games, currency converters, etc
Quicktionary Pen Reading Pen	Wizcom Technologies	www.wizcomtech.com	Trace the pen across text for it to scan the text and then interpret and read it back or provide translation or definition via an LCD screen or voice Text can be stored in the pen and then transferred to Computer, PDA, or cell phone in word processing format or spreadsheet format
Spell Checkers within basic Word Processing programs	Multiple	Multiple	Provides visual and auditory cues of misspelled words Suggests alternative spellings and synonyms/antonyms Allows for abbreviation expansions
Word Wall	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom		Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer
Earobics	Cognitive Concepts, Inc.	www.earobics.com	Three versions available: Step 1 for developmental ages 4 –7; Step 2 for developmental ages 7 – 10; Earobics 1 for Adolescents & Adults Uses a developmental skills approach to learning and provides data collection tools Provides customizable auditory options Allows for individualized progression

First Keys to Literacy	Widgit Software	www.widgit.com	Provides spelling practice with text matching, spelling and word blends from picture cues, and fill in the missing letter, etc Offers the option to create your own word list Includes an onscreen keyboard addressing ability level 1 – 2 and interest level 1 – 5
Looking for Words	Attainment Company	www.attainmentcompany.com	Uses community-based words to encourage students to match pictures to words.
Phonics Alive 3 – The Speller	Forest Technology	www.phonicsalive.com	Encourages spelling practice for ages 8 to adult and incorporates spelling rules
Show Me Spelling	Attainment Company	www.attainmentcompany.com	Offers students the option of using an onscreen alphabet keyboard or the standard keyboard. Uses 600 spelling words
Simon SIO Stage One and Stage Two	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words, collects data
WordMaker	Don Johnston, Inc	www.donjohnston.com	Appropriate for grade level 1 – 3 and interest level 1-6 Provides lesson plans, develops word walls, collects data Created in collaboration with Dr. Pat Cunningham, creator of the 4-Block Literacy Model
Words Around Me	Edmark	www.riverdeep.net	Provides students practice in common vocabulary words in English or Spanish using singular/plural, categorization, and picture to text skills

Also see **Word Prediction and Text Readers**

Spelling/Reading Irregular Words: Irregular word recognition focuses on words in which some or all of the letters do not represent their most common sounds or word families (e.g. one, none, done)

No Tech/Low Tech:

Handheld spell checkers	Portable devices that generally include spell checkers, dictionaries, and thesaurus	Resources can be found at general retail stores. Products are available from Casio, Franklin, and other manufacturers.
Word Wall	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom	Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com
Personal dictionaries	Portable personal dictionaries created by students including words they have experienced difficulties with	
Quicktionary Pen Reading Pen	Wizcom Technologies	www.wizcomtech.com
		Trace the pen across text for it to scan the text and then interpret and read it back or provide translation or definition via an LCD screen or voice Text can be stored in the pen and then transferred to Computer, PDA, or cell phone in word processing format or spreadsheet format
Speaking Spelling & Handwriting Checker	Franklin	www.franklin.com
		Pronounces and correctly spells 80,000 words for auditory reinforcement Keyboard echo lets your child hear each letter pronounced as the key is pressed Rhyme key lists words that rhyme with the entered word

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Show Me Spelling	Attainment Company	www.attainmentcompany.com	Uses 600 spelling words Students spell using the standard keyboard or an onscreen alphabet keyboard
Swim, Swam, Swum	Laureate Software	www.lsys.com	Students practice irregular verbs, common nouns, verbs, and early vocabulary

Sentence Reading: Practicing reading regular and irregular words then reading them in the context of a sentence**No Tech/Low Tech:**

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
Word Wall	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom	Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com
Audio Books on CD	Recording for the Blind & Dyslexic	www.rfbd.org Provides students with a qualifying disability alternative access to books Includes 93,000 educational titles in DAISY format
BookWorm	Ablenet, Inc	www.ablenet.com Allows recording audio for any book and is switch accessible Assigns audio to individual pages

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Candlelight Stories	Candlelight Stories	www.candlelightstories.com	Provides downloadable MP3 stories for paying members
Destination Reading	Edmark	www.riverdeep.net	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Kids Audio Books	Audible.Com	www.audible.com	Purchase a school or personal membership for students to listen to books at the computer, burn to a CD, or download to an audible player
Let's Go Read	Riverdeep	www.riverdeep.com	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Living Books Library	Riverdeep	www.riverdeep.com	Includes lesson plans, thematic units, reproducible student activity sheets, copies of several of the books, and 2 CD-ROMs for seven interactive stories
Press-to-Play series	Don Johnston, Inc	www.donjohnston.com	Offers switch accessible interactive books for ability level Pre-K – 3 and interest level form 3 –12
Read 180	Scholastic, Inc.	www.scholastic.com	Provides interactive CDs, audio tapes, and hard copy books of topics from elementary thru high school
Reader Rabbit Learn to Read with Phonics	Broderbund	www.broderbund.com	Offers two versions: Preschool – Kindergarten and 1 st – 2 nd Grade Incorporates record and playback features

Sentence Reading (Continued)			
Product Name	Manufacturer	Website	Description
Sentence Master	Laureate Learning Systems	www.lsys.com	Offers four levels of instruction using high frequency words Assists students in practicing word recognition, sequential recognition, spelling and sentence completion
Simon SIO Stage One and Stage Two	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words, collects data
Start-to-Finish Books	Don Johnston, Inc.	www.donjohnston.com	Provides high interest interactive stories targeting specific vocabulary skills read by professional narrators Includes paperback book, computer book, and audio book Offers two versions: the Gold library – grade 2 – 3 reading level and the Blue library – grade 4 - 5 reading level
Storytime Tales	Don Johnston, Inc	www.donjohnston.com	Uses repetitive text, predictable stories, and early story concepts & word awareness for developmental ages 3 – 5
Ukandu Interactive Reading Series	Don Johnston, Inc	www.donjohnston.com	Provides interactive stories for ability levels from Pre-K to grade 4 and interest levels from Pre-K to grade 6 depending on the title
Ukandu Little Books	Don Johnston, Inc	www.donjohnston.com	Leads students through creating their own stories incorporating story sequencing for ability level Pre-K – grade 1 and interest level Pre-K – grade 2
Ukandu Switches Too	Don Johnston, Inc	www.donjohnston.com	Uses animated stories to work on cause-effect relationships for ability level Pre-K – K and interest level Pre-K – grade 2
Wiggle Works	Scholastic, Inc.	www.scholastic.com	Offers interactive stories that provide sections for students to write and explore word-building strategies Includes soft cover books and audio cassettes with interactive CD Provides built-in accessibility options including switch access

Also see **Talking Word Processors and Text Readers**

Notes:

Letter Sounds	Decoding Regular Words	Spelling Regular Words
Spelling/Reading Irregular Words	Sentence Reading	

Word Identification (Secondary)

The process of combining letter-sound correspondence and structural analysis to identify regular and irregular words of one or more syllables (Structural analysis consists of compound words, contractions, syllables, root words, affixes, Greek and Latin morphemes)

Letter/Sound Correspondence: Ability to say the sounds for each letter or letter combination that is targeted

No Tech/Low Tech:

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
Spinner activities	Using a random spinner to select a letter for the student it identify the sound or to blend sounds in a game format	Resources available from www.speechteach.co.uk/p_resource/speech/soundspinner.htm and www.ablenetinc.com/PDF/ATI4.pdf

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Let's Go Read	Edmark	www.riverdeep.com	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Reading S.O.S.	Lexia Learning Systems, Inc.	www.lexialearning.com	Provides 5 levels of practice in decoding, comprehension, and keyboard skills for ages 9-99
Simon SIO Stage One and Stage Two	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words, collects data
Ultimate Phonics	Spencer Learning	www.spencerlearning.com	Provides systematic phonics instruction for all ages

Structural Analysis: Analysis of compound words, contractions, syllables, root words, affixes, Greek and Latin morphemes

No Tech/Low Tech:

Letter/blend tiles	Students manipulate the letters and blends that are placed together to build words or to decode the word	Resources available at www.primaryconcepts.com
Magnetic Poetry/Word tiles; Word Strips; Labels	Students manipulate the single words that are placed together to build sentences	Resources available from http://www.primaryconcepts.com/ , http://www.trcabc.com/ , and http://www.shadowpoetry.com/

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Edmark Reading Program level 1 & level 2	Edmark	www.riverdeep.com	Provides customizable visual and auditory formats and switch access for ability level grade 1 Includes practice in 350 words from the Dolce word list and basal readers working word endings, capitalization and punctuation Offers a second level extension for students who are not ready for traditional reading programs
Reading S.O.S.	Lexia Learning Systems, Inc.	www.lexialearning.com	Provides 5 levels of practice in decoding, comprehension, and keyboard skills for ages 9-99
Sentence Master	Laureate Learning Systems	www.lsys.com	Offers four levels of instruction using high frequency words Assists students in practicing word recognition, sequential recognition, spelling and sentence completion
Words Around Me	Edmark	www.riverdeep.net	Provides students practice in common vocabulary words in English or Spanish using singular/plural, categorization, and picture to text skills

Also see Word Prediction

Notes:

Letter/Sound Correspondence	Structural Analysis

Automaticity of Letter Sounds: Quickly recognizing letter sounds as a precursor to blending, word reading, and passage reading

No Tech/Low Tech:

Alphabet arc, letter tiles and magnets	Using letter pieces and/ an alphabet mat, students manipulate the letters while associating the letter sounds	Lesson plans and materials available at www.alphabetmats.com
Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Destination Reading	Edmark	www.riverdeep.com	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Let's Go Read	Edmark	www.riverdeep.com	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology

Automaticity of Words: Accurately and quickly identifying regular words

No Tech/Low Tech:

Highlighter pens/tape	Students highlight difficult words to return to for further study	
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Edmark Reading Program level 1 & level 2	Edmark	www.riverdeep.com	Provides customizable visual and auditory formats and switch access for ability level grade 1 Includes practice in 350 words from the Dolce word list and basal readers working word endings, capitalization and punctuation Offers a second level extension for students who are not ready for traditional reading programs
First Nouns, First Verbs, First Words	Laureate Software	www.lsys.com	Provides students practice with irregular verbs, common nouns, verbs, and early vocabulary

Also see Talking Word Processors and Text Readers

Connected Text: Sounding out each word and then reading them together.

No Tech/Low Tech:

Word Wall/ Sentence Strips	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom	Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com
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Audio Books on CD	Recording for the Blind & Dyslexic	www.rfbd.org	Provides students with a qualifying disability alternative access to books Includes 93,000 educational titles in DAISY format
BookWorm	Ablenet, Inc.	www.ablenetinc.com	Allows recording audio for any book and is switch accessible Assigns audio to individual pages

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Candlelight Stories	Candlelight Stories	www.candlelightstories.com	Provides downloadable MP3 stories for paying members
Kids Audio Books	Audible.Com	www.audible.com	Purchase a school or personal membership for students to listen to books at the computer, burn to a CD, or download to an audible player
Let's Go Read	Edmark	www.riverdeep.com	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Living Books Library	Riverdeep	www.riverdeep.com	Includes lesson plans, thematic units, reproducible student activity sheets, copies of several of the books, and 2 CD-ROMs for seven interactive stories
Read 180	Scholastic, Inc.	www.scholastic.com	Provides interactive CDs, audio tapes, and hard copy books of topics from Elementary thru High School
Start-to-Finish Books	Don Johnston, Inc.	www.donjohnston.com	Provides high interest interactive stories targeting specific vocabulary skills read by professional narrators Includes paperback book, computer book, and audio book Offers two versions: the Gold library – grade 2 – 3 reading level and the Blue library – grade 4 - 5 reading level
Wiggle Works	Scholastic, Inc.	www.scholastic.com	Offers interactive stories that provide sections for students to write and explore word-building strategies Includes soft cover books and audio cassettes with interactive CD Provides built-in accessibility options including switch access

Also see Text Readers

Notes:

Automaticity of Letter Sounds	Automaticity of Words	Connected Text

Recognizing and Understanding Words: Introducing new vocabulary/ targeted words and basic concepts

No Tech/Low Tech:

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
Handheld spell checkers	Portable devices that generally include spell checkers, dictionaries, and thesaurus	Resources can be found at general retail stores. Products are available from Casio, Franklin, and other manufacturers.
Highlighter pens/tape	Students highlight words that are difficult to return to for further study	

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.com	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning Incorporates text-highlighting technique to encourage students to follow words from left to right as they hear them read aloud
Destination Reading	Edmark	www.riverdeep.com	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Edmark Reading Program level 1 & level 2	Edmark	www.riverdeep.com	Provides customizable visual and auditory formats and switch access for ability level grade 1 Includes practice in 350 words from the Dolce word list and basal readers working word endings, capitalization and punctuation Offers a second level extension for students who are not ready for traditional reading programs
First Nouns, First Verbs, First Words	Laureate Software	www.lsys.com	Provides students practice with irregular verbs, common nouns, verbs, and early vocabulary
Looking for Words	Attainment Company	www.attainmentcompany.com	Uses community-based words for students to match pictures to words
Words Around Me	Edmark	www.riverdeep.com	Provides students practice in common vocabulary words in English or Spanish using singular/plural, categorization, and picture to text skills
Words and Concepts	Laureate Software	www.lsys.com	Offers three levels to expand vocabulary and build concepts from same & different to word relationships

Also see Text Readers

Synonyms and Antonyms: Learning words that have similar and opposite meaning to the target word

No Tech/Low Tech:

Labels, word cards, Magnetic word tiles	Students match synonyms and antonyms as they manipulate words	
Handheld spell checkers	Portable devices that generally include spell checkers, dictionaries, and thesaurus	Resources can be found at general retail stores. Products are available from Casio, Franklin, and other manufacturers.

Webbing	Students visualize the relationship between similar meaning words and different meaning words	
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer.
Word Munchers	Riverdeep	www.riverdeep.net	Provides practice in word identification, sentence completion, rhyming, and phonics. Offers expanded learning topics in grammar, sentence completion and construction, parts of speech, vocabulary, synonyms and antonyms, and word association

Also see Talking Word Processors, Word Prediction, and Graphic Organizers

Note: May also use spell checkers within basic word processing programs.

Definitions: Using categories and descriptors to define targeted words.

No Tech/Low Tech:

Handheld spell checkers	Portable devices that generally include spell checkers, dictionaries, and thesaurus		Resources can be found at general retail stores. Products are available from Casio, Franklin, and other manufacturers.
Personal dictionaries	Portable personal dictionaries created by students including words with which they have experienced difficulties		
Quicktionary Pen Reading Pen	Wizcom Technologies	www.wizcomtech.com	Trace the pen across text for it to scan the text and then interpret and read it back or provide translation or definition via an LCD screen or voice Text can be stored in the pen and then transferred to Computer, PDA, or cell phone in word processing format or spreadsheet format
Word Wall/ Sentence Strips	A systematically organized collection of words displayed in large letters on a wall or other large display place in the classroom		Implementation ideas at www.teachnet.com Product resources at www.abcteacher.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer
Words and Concepts	Laureate Software	http://www.lsys.com	Offers three levels to expand vocabulary and build concepts from same & different to word relationships

Also see Talking Word Processors, Word Prediction and Text Readers

Elaboration: Using descriptive words to describe objects and actions**No Tech/Low Tech:**

Webbing	Students visualize the relationship between similar meaning words and different meaning words	
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.com	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning Incorporates text-highlighting to encourage students to follow words from left to right as they hear them read aloud
Edmark Reading Program level 1 & level 2	Edmark	www.riverdeep.com	Provides customizable visual and auditory formats and switch access for ability level grade 1 Includes practice in 350 words from the Dolce word list and basal readers working word endings, capitalization and punctuation Offers a second level extension for students who are not ready for traditional reading program

Also see **Graphic Organizers**

Context: Using the words surrounding an unknown word to figure the new word's meaning**Possible Technology Tools:**

Product Name	Manufacturer	Website	Description
Bailey's Bookhouse	Riverdeep	www.riverdeep.com	Assist students in exploring letters, words, rhyming, and stories Provides explore & discover and question & answer modes for independent and structured learning. Incorporates text highlighting to encourage students to follow words from left to right as they hear them read aloud
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer
Edmark Reading Program level 1 & level 2	Edmark	www.riverdeep.com	Provides customizable visual and auditory formats and switch access for ability level grade 1 Includes practice in 350 words from the Dolce word list and basal readers working word endings, capitalization and punctuation Offers a second level extension for students who are not ready for traditional reading programs
Let's Go Read	Edmark	www.riverdeep.com	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context Incorporates speech recognition technology
Lexia	Lexia Learning Systems, Inc.	www.lexialearning.com	Incorporates phonemic awareness, sound-symbol correspondence, decoding skills, and early comprehension skills Utilizes a phonics-based approach to reading for ability level & interest level K – 3 Offers Reading S.O.S – ability level 1 – 6 – interest level 5 – 12

Vocabulary

Sentence Master	Laureate Learning Systems	www.lsys.com	Offers four levels of instruction using high frequency words Assists students in practicing word recognition, sequential recognition, spelling and sentence completion
Simon SIO Stage One and Stage Two	Don Johnston, Inc	www.donjohnston.com	Provides 33 levels with 300 words to work on phonemic awareness skills including single consonants & blends Is switch accessible and appropriate for older students Creates individualized worksheets with problem words, collects data
Start-to-Finish Books	Don Johnston, Inc.	www.donjohnston.com	Provides high interest interactive stories targeting specific vocabulary skills read by professional narrators Includes paperback book, computer book, and audio book Offers two versions: the Gold library – grade 2 – 3 reading level and the Blue library – grade 4 - 5 reading level
Words and Concepts	Laureate Software	www.lsys.com	Offers three levels to expand vocabulary and build concepts from same & different to word relationships

Also see Form Feature in Microsoft Word to develop sentence completion activities

Notes:

Recognizing and Understanding Words	Synonyms and Antonyms	Definitions
Elaboration	Context	

Literal Comprehension: Understanding what is explicitly stated or clearly implied in the text

No Tech/Low Tech:

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Destination Reading	Edmark	www.riverdeep.com	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Let's Go Read	Edmark	www.riverdeep.com	Encourages students to review letter sounds, blend multiple letter sounds, differentiate vowel sounds, expand vocabulary, and get meaning from context. Incorporates speech recognition technology

Also see AutoSummarize in Microsoft Word, a feature in the Tools menu

Implicit Comprehension: Understanding a meaning that is intended or suggested by the author but not stated

No Tech/Low Tech:

Card Readers	Devices that allow recording of messages on magnetic strips for card reading devices to playback	Products available from Califone www.califone.com and Eiki www.eiki.com
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Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer

Story Retell: Recalling events from a passage and retelling it.

No Tech/Low Tech:

Checklists of who, what, when, where, why questions		
Webbing	Students visualize the relationship between similar meaning words and different meaning words	

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
LeapFrog SchoolHouse	LeapFrog	www.leapfrog.com	Provides multiple learning tools incorporating immediate and positive corrective feedback for students to experience phonics and early reading skills through sight, sound and tactile feedback Offers skills from kindergarten through grade 8 with over 200 books and 267 skill cards Developed to provide students with independent skill practice
Storybook Weaver Deluxe 2004	Riverdeep	www.riverdeep.com	Facilitates students to author and illustrate their own multimedia story with an easy-to-use word processor and variety of graphic tools Provides story ideas ranging from fantasy adventures to personal events to historical fiction, and an extensive array of multicultural images from around the world Offers students can word processing and text-to-speech features in either English or Spanish

Also see Talking Word Processors, Word Prediction with topic dictionaries, and Graphic Organizers

Story Grammar: Understanding story grammar elements (main characters, setting, problems, important events, solutions and themes)

No Tech/Low Tech:

Webbing	Students visualize the relationship between similar meaning words and different meaning words	
Prompt Checklists	A visual reference of the elements to look for in a story	

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Destination Reading	Edmark	www.riverdeep.com	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Storybook Weaver Deluxe 2004	Riverdeep	www.riverdeep.com	Facilitates students to author and illustrate their own multimedia story with an easy-to-use word processor and variety of graphic tools Provides story ideas ranging from fantasy adventures to personal events to historical fiction, and an extensive array of multicultural images from around the world Offers students can word processing and text-to-speech features in either English or Spanish

Also see Talking Word Processors, Word Prediction with topic dictionaries, and Graphic Organizers

Sequencing: Sequencing events in short decodable passages

No Tech/Low Tech:

Prompt Checklists	A visual reference of the elements to look for in a story	
Webbing	Students visualize the relationship between similar meaning words and different meaning words	Resources available through www.inspiration.com or www.donjohnston.com

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer
Destination Reading	Edmark	www.riverdeep.com	Provides instruction in phonemic awareness, phonics/decoding, fluency, vocabulary, and construction of meaning for students from Pre-K to grade 3
Storybook Weaver Deluxe 2004	Riverdeep	www.riverdeep.com	Facilitates students to author and illustrate their own multimedia story with an easy-to-use word processor and variety of graphic tools Provides story ideas ranging from fantasy adventures to personal events to historical fiction, and an extensive array of multicultural images from around the world Offers students can word processing and text-to-speech features in either English or Spanish

Also see **Picture Word Processors, Talking Word Processors, Graphic Organizers, and Multimedia Tools.**

Main Idea: Determining the main idea of a passage

No Tech/Low Tech:

Highlighters	Students highlight main elements in a passage	
Webbing	Students visualize the relationship between similar meaning words and different meaning words	

Possible Technology Tools:

Product Name	Manufacturer	Website	Description
Brainchild Software	Brainchild Corporation	www.brainchild.com	Encourages students to expand their vocabulary with synonyms, antonyms, and definitions on a portable device or computer

Main Idea: Determining the main idea of a passage			
Product Name	Manufacturer	Website	Description
Pair-It Books	Harcourt Supplemental Publishers	http://steckvaughn.harcourtachieve.com	Provides 5 stages on CD-ROM from kindergarten – grade 4 with each stage offering 8 books (4 fiction and 4 non-fiction) Incorporates pre-reading and post-reading strategies, vocabulary and concept activities, a multimedia book creation tool, and database projects

Also see **Graphic Organizers, and Multimedia Tools**

Notes:

Literal Comprehension	Implicit Comprehension	Story Retell
Story Grammar	Sequencing	Main Idea

Assessment Tools

Product Name	Manufacturer	Website	Description
Quick Reading Test	Lexia Learning Systems, Inc.	www.lexialearning.com	Provides the teacher with both graphic and tabular reports on each student's reading skills in only 5 to 8 minutes per student Tests alphabet, word-attack and automaticity with sight words Is administered by a teacher, aide, or volunteer, one-on-one with a student
SPELL	Learning By Design, Inc.	www.learningbydesign.com	Evaluates spelling performance and word study skills; features computerized scoring and analysis of student data and automatic report writing Offers a written curriculum available to purchase separately that follows the assessment Looks at 5 areas of word study: phonological awareness, phonics, vocabulary, word parts and related words, and mental images of words
The Reading Fluency Monitor	Read Naturally	www.readnaturally.com	Includes three sets of randomly ordered letters for assessing the letter-naming fluency of kindergartners, three grade-level passages at each grade level (1-8), instructions for administering the assessment, graphs and record sheets for manual record keeping, and a software program for recording and reporting scores Allows teachers to test students three times a year (fall, winter, and spring), record the students' scores, and monitor progress in reading throughout the year. Testing helps teachers identify students in need of reading intervention.

Graphic Organizers/Outlining Tools

Product Name	Manufacturer	Website	Description
Draft:Builder	Don Johnston, Inc.	www.donjohnston.com	Provides a visual structure and auditory feedback for students to step through creating a first draft: organizing ideas, taking notes and writing a first draft Allows students to generate, manipulate and connect ideas and information throughout each stage of the writing process
Kidspiration	Inspiration Software, Inc.	www.inspiration.com	Intended for students kindergarten – grade 5 Provides students visual and auditory feedback to brainstorm ideas with pictures and words, organize and categorize information, create stories and descriptions and create webs and visual maps of ideas
Inspiration	Inspiration Software, Inc.	www.inspiration.com	Intended for students grade 6 through adult Provides an integrated diagramming and outlining environment for students to brainstorm, web, diagram, plan, map, organize and outline ideas for expression
Microsoft Word	Microsoft Corporation	www.microsoft.com	Using the drawing toolbar, diagrams can be built with drawing objects, flowchart objects, shapes and/or arrow objects. Standard spell checking features within Microsoft Word can also be used with text added to objects from the drawing toolbar. Forms templates can also be created to step through outlines or web diagrams.

Multimedia Tools

Product Name	Manufacturer	Website	Description
BuildAbility	Don Johnston, Inc.	www.donjohnston.com	Provides a user friendly format for creating simple point & click pages Offers sample activities, tutorials, and research documentation of vendor website
Clicker 4	Crick Software	www.cricksoft.com	Provides a user-friendly format for creating simple point & click pages and large graphic file Incorporates accessibility features such as scanning for switch access Sample pre-made grids available to download http://www.learninggrids.com/us/ Vendor will provide a free 30-day trial CD
Hyperstudio	Hyperstudio	www.hyperstudio.com	Incorporates all multi-media options and has built in accessibility features such as scanning buttons for switch access users Offers a free player download to play presentations on any computer
Imagination Express	Edmark	www.riverdeep.com	Provides various titles range in grade levels from K – grade 8 Encourages students to create their own stories within the program with multi-media tools
Intellipics Studio	IntelliTools, Inc.	www.IntelliTools.com	Provides a user-friendly and student friendly format for creating multi-media interactive slideshows Offers a free player download to utilize creations on any computer as well as sample activities and tutorials
Kid Pix	Riverdeep	www.riverdeep.com	Student friendly – multi-media authoring tool for students to create their own presentations
MP Express	Bytes of Learning	www.bytesoflearning.com	Provides a user-friendly format for creating multi-media interactive slideshows Has several built-in templates, graphics specifically for education to create cross platform presentations
My Own Bookshelf	SoftTouch, Inc.	www.softtouch.com	Is an easy to use electronic book-building program with universal access for students who cannot hold a book. Organizes books on bookshelves.
PowerPoint	Microsoft Corporation	www.microsoft.com	Incorporates all multi-media options and is a common tool in many schools and homes Offers a player free to play created presentations on any computer http://office.microsoft.com/assistance/preview.aspx?AssetID=HP030784121033&CTT=98 Switch access template from http://www22.brinkster.com/jimluther/access.htm
Storybook Weaver Deluxe 2004	Riverdeep	www.riverdeep.com	Facilitates students to author and illustrate their own multimedia story with an easy-to-use word processor and variety of graphic tools Provides story ideas ranging from fantasy adventures to personal events to historical fiction, and an extensive array of multicultural images from around the world Offers students can word processing and text-to-speech features in either English or Spanish
Storybook Maker	Tech4Learning	http://tech4learning.com/	Create HTML storybooks including controllers, page backgrounds, recorded sounds, and text-to-speech Uses XML format allowing for file use between Mac and Windows

Picture Word Processors

Product Name	Manufacturer	Website	Description
Clicker 4	Crick Software	www.cricksoft.com	Provides a user-friendly format for creating simple point & click pages and large graphic file Incorporates accessibility features such as scanning for switch access Sample pre-made grids available to download http://www.learninggrids.com/us/ Vendor will provide a free 30-day trial CD

Common Technology Categories

Picture It	Slater Software, Inc.	www.slattersoftware.com	Compose documents up to 500 words Includes 6000 graphic both color and black& white Import graphics and customize visual and auditory feedback
PixWriter	Slater Software, Inc	www.slattersoftware.com	Utilizes a Picture based on-screen keyboard Incorporates 1800 picture symbols
Writing With Symbols 2000	Widgit Software Ltd.	www.mayerjohnson.com	Provides 3800 picture symbols, 4000 rebus symbols and you can import your own graphics Offers visual & auditory feedback and can be used with pictures or without as a talking word processor

Portable Word Processors

Product Name	Manufacturer	Website	Description
AlphaSmart/Neo	AlphaSmart, Inc.	www.alphasmart.com	Compatible with both Mac and PC platforms and durable Requires additional software be loaded to upload to a computer Offer optional features for word prediction, typing tutorial and infrared connection
Dana	AlphaSmart, Inc.	www.alphasmart.com	Incorporates the Palm OS platform within a portable word processor Enter text with stylus, keyboard, touch screen
The Writer	Advanced Keyboard Technologies, Inc.	www.writerlearning.com	Compatible with both Mac and PC platforms From the Work Folder Filing System, to a new Auto-Thesaurus, to the Good Writing Checklists; The Writer with WriterExpress is designed specifically by teachers to help students organize their work, expand their vocabulary, develop revision skills and express themselves more clearly and accurately.
PC-6	Perfect Solutions	www.perfectsolutions.com	Compatible with PC platform Includes typing tutorial using Herzog's abc progression, spreadsheet options, calculator Offers optional features for word prediction and text-to-speech and infrared connection
Quick Pad	Quick Pad Technology Corporation	www.quickpad.com	Offers Infrared connection to PC or MAC with no additional software Includes typing tutorial and spell checker

Scan and Read Systems

Product Name	Manufacturer	Website	Description
Kurzweil 3000	Kurzweil Educational Systems	www.kurzweiledu.com	Reads word & pdf documents and documents scanned into the computer Offers customizable visual and auditory feedback Break words into syllables, spell words aloud, looks up the definition of a word Provides a built in Internet browser to read web pages aloud, and complete web searches
Scan and Read Pro	Premier Assistive Technology	www.readingmadez.com	Supports 12 different languages Provides customizable visual and auditory feedback, spell checker/dictionary/thesaurus Reads what is presented on the computer screen, including scanned documents, prepared documents, and web pages
TestTalker	Freedom Scientific	www.freedomscientific.com/LSG	Is a test scanning tool which reads test questions aloud and allows students to input responses

Common Technology Categories

WYNN	Freedom Scientific	www.freedomscientific.com/LSG	Suite of built-in tools supporting reading, writing, studying, and Internet research, all with customized auditory and visual modifications. Import curriculum to be read; Web browsing with text extraction; listen to links aloud without activating; writing and study tools include dictionary, two spell checkers, word prediction, note-taking, voice notes, bookmarks, and study guide extraction. Easy to learn with simplified interface.
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Text Readers / Talking Word Processors

Product Name	Manufacturer	Website	Description
Adobe Reader	Adobe	www.adobe.com	Provides text-to-speech for any pdf document using the Microsoft voices engine Is a free download from www.adobe.com/products/acrobat Feature is found in the “view” menu select “read aloud”
AspireReader (eReader)	CAST/Aequus Technologies	http://www.cast.org/products/ereader/index.html	Supports RTF, HTML, and <u>DAISY 2.02</u> files which use human voice on MP3 files Incorporates an Internet browser and writing environment allowing for side-by-side display of a reading task and writing task
IntelliTalk 3	IntelliTools, Inc.	www.IntelliTools.com	Offers customizable visual and auditory feedback and a free player download to utilize created activities on any computer
Microsoft Narrator	Microsoft, Inc.	www.microsoft.com	Is a built-in accessibility options in Windows Accessibility features version 98 and later Works with limited word processing programs
ReadPlease and ReadPlease Plus	ReadPlease Corporation	www.readplease.com	There is a free download version and an inexpensive plus version The free download version has a limit to the document size it can read
Write:OutLoud	Don Johnston, Inc	www.donjohnston.com	Offers customizable visual and auditory feedback and spell checker/dictionary

Word Prediction

Product Name	Manufacturer	Website	Description
Aurora 3.0	Aurora Systems, Inc.	www.aurora-systems.com	Incorporates a 100,000 plus word vocabulary, grammatical rules, customizable spell checking, spelling auto correction, phonetic spelling, speech output on any sound card, and spoken feedback while you type Has the ability to read buttons and menus on the screen, keyboard and mouse controls
Co:Writer	Don Johnston, Inc.	www.donjohnston.com	Provides grammar, and vocabulary support capabilities to any word processor or e-mail program Incorporates topic dictionaries for curriculum specific vocabulary Offers Flex Spell to translate phonetic spelling and grammar support
SoothSayer Word Prediction	Applied Human Factors	www.ahf-net.com	Offers word prediction, speech feedback, abbreviation expansion and word completion
Read&Write Gold Read&Write 8, Read&Write Gold MAC	TextHelp Systems	www.texthelp.com	Provides advanced phonetic spell check, screen reading, word prediction, abbreviations, and homonym support Reads Web pages and e-mail aloud and integrates seamlessly with all Windows programs
Word Q	Quillsoft. Ltd.	www.wordq.com	Intended to be used along with standard Windows word processing software Offers advanced word prediction and text-to-speech feedback

Common Technology Categories

WordSmith Version 3	Text HELP	www.texthelp.com	Provides easy installation into Word 2000 Incorporates scanning into Internet Explorer or Microsoft Word 97/2000/XP, advanced phonetic spell checker, a pronunciation tutor with syllabification, word prediction and a 180,000-word thesaurus
WriteAway 2000	Information Sales, Inc.	www.is-inc.com	Incorporates text-to-speech, word prediction Offers customizable word lists

Notes:

Assessment Tools	Graphic Organizers	Multimedia Tools	Picture Word Processors
Talking Word Processors	Text Readers	Word Prediction	

References and Resources:

- Meeting the Needs of Struggling Readers; A Resource for Secondary English Language Arts Teachers, University of Texas Center for Reading and Language Arts, http://readingserver.edb.utexas.edu/downloads/secondary/booklets/Secondary_ELA_Resource.pdf
- National Reading Panel, <http://www.nationalreadingpanel.org>
- No Child Left Behind, Reading First Initiative, <http://www.ed.gov/programs/readingfirst/index.html>
- Put Reading First: The Research Building Blocks for Teaching Children to Read, The National Institute for Literacy, <http://www.nifl.gov/>
- Reading Strategies and Activities Resource Book, for Students at Risk for Reading Difficulties, Including Dyslexia, University of Texas Center for Reading and Language Arts, <http://readingserver.edb.utexas.edu/downloads/primary/booklets/ReadingStrategiesDyslexia.pdf>
- Region 4 Education Service Center, Reading and Language Arts Products and Services, <http://www.esc4.net/resources>
- Special Education Reading Project (SERP) Elementary Institute, http://www.texasreading.org/utcrcla/products/serp_institute_elementary.asp
- Special Education Reading Project (SERP) Secondary Institute, <http://www.texasreading.org/utcrcla/pd/serp.asp>
- Texas Reading Initiative, <http://www.tea.state.tx.us/reading/index.html>
- University of Texas Center for Reading and Language Arts <http://www.texasreading.org>

Assistive Technology Tutorials:

- Assistive Technology Training Online Project, University at Buffalo, Center for Assistive Technology, 515 Kimball Tower, Buffalo, New York 14214, 716.829.3141 <http://atto.buffalo.edu>
- Valdosta State University, Teacher Resource Bank, developed in collaboration with Georgia Project for Assistive Technology (GPAT) <http://www.teacherresourcebank.com> \
- Special Education Technology – British Columbia: SET-BC Learning Centre www.setbc.org