

# Assistive Technology For Reading and Writing

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Speaker: Jason Julian



# What is Assistive Technology?

Assistive technology (AT) is any item or equipment that has been specially-designed, modified, or made commercially available which enables anyone to maintain or improve their functioning at home, school, work, and play while ensuring their quality of life.



# The iPad



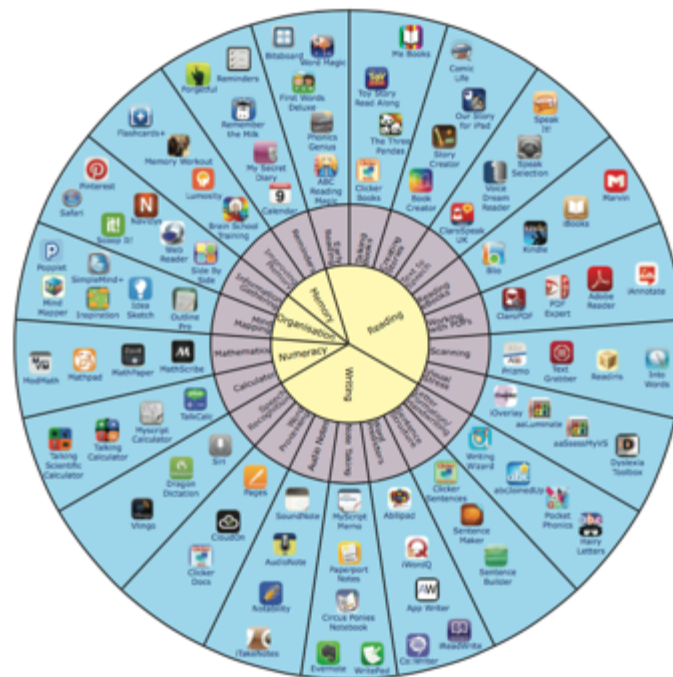
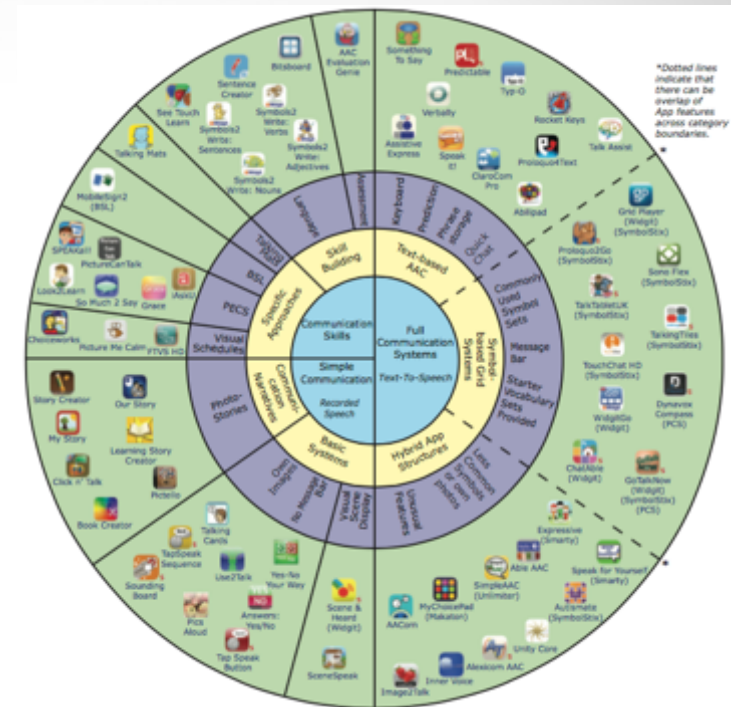
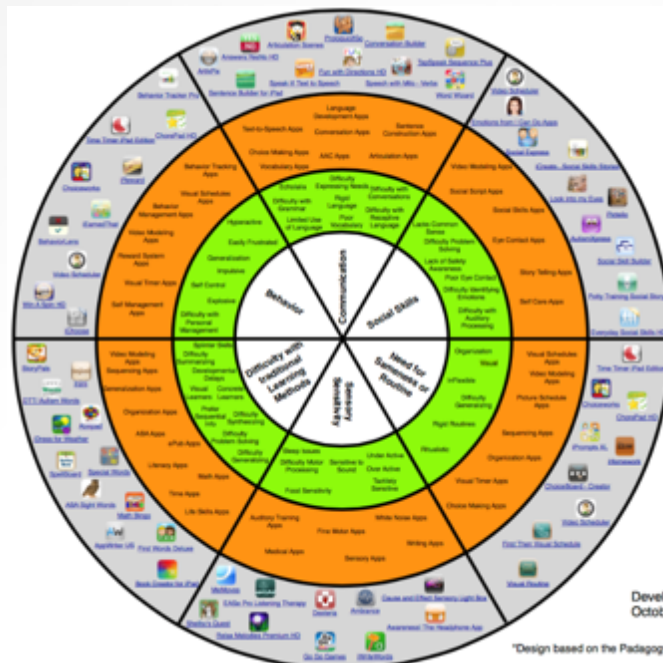


# Tons of Apps!



- Learning
- Text-to-Speech
- Communication
- Organization Skills

And many more!





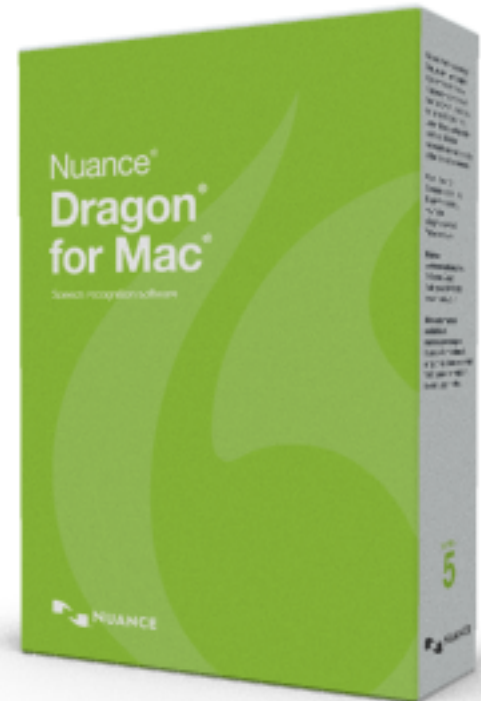
VS



Google



# SPEECH-TO-TEXT TECHNOLOGIES





My class is going to the movies on a field trip next week ☆

File Edit View Insert Format Tools Add-ons Help Last edit was on October 4, 2018

100% Normal text Arial 11 B I U A

1 2 3 4 5 6 7

 My class is going to the movies on a field trip next week. We have to get permission slips signed before we go. We also need to ask our parents if they will drive to the movie theater. We are going to see a movie that tells the story from a book we read.

We get to the movie early so we can buy popcorn. Some of us by candy and slushies too. we all enjoy watching the movie. when we return to school, We talk about things that were in the movie and the book. The movie and the book are similar. We all agree that we like the book better though.



# Apple Dictation



# SPEECH-TO-TEXT COMMON MISTAKES

- Uhmms & Uhhhhhhh's
- 2–3 letter words ~ is, the, to, in, at
- Wait for the chime 🎵
- Use a Microphone
- Side conversations (**STOP  
DICTATION!**)

# Microphones

- Wired headset
- No Bluetooth connected microphones
- Earbuds with a built-in mic works perfect ✨





# Livescribe Smartpen









- Record and playback everything you write, hear, or say
- Create bookmarks in your notes

- Save, search, organize
- Send and Share as PDF or audio files




# Voice Dream Reader



-  Text To Speech
-  Read Anything
-  Read Your Way
-  Universal Access





## Acapela Voices

☐ US English

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☐ British English

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☐ Australian English

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☐ Indian English

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☐ Arabic

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☐ Catalan

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☐ Chinese

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☐ Czech

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☐ Danish

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☐ Dutch

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☐ Norwegian

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☐ Polish

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☐ Portuguese

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☐ Russian

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☐ Spanish

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☐ Swedish

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☐ Turkish

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# Voice Dream Reader



Text To Speech



Read Anything



Read Your Way



Universal Access

## Supported File Formats

- > PDF
- > EPUB (DRM free)
- > DAISY 3.0 text-based eBooks
- > DAISY 2.02 audiobooks
- > Zipped MP3 files, such as LibriVox
- > Plain Text
- > Rich Text Format (RTF)
- > Microsoft Word
- > Microsoft PowerPoint
- > Apple Pages
- > Apple Keynote
- > HTML



## Content Sources

- > Dropbox
- > Google Drive
- > iTunes via USB or WiFi
- > Bookshare
- > Evernote (Experimental)
- > Pocket
- > Instapaper
- > Gutenberg
- > Built-in Web Browser
- > "Open In..." from another app
- > Cut-paste via clipboard



# Voice Dream Reader



-  Text To Speech
-  Read Anything
-  Read Your Way
-  Universal Access

## Listening to Text

- > Play-Pause with remote control enabled
- > Remembers where you stopped in each book or article
- > Powerful personal pronunciation dictionary
- > Configurable default speech rate, volume and pitch for each voice
- > Shows elapsed time and remaining time
- > Sleep timer
- > Previous and next book or article
- > Rewind and fast forward by sentence, paragraph, page, chapter, 15, 30, and 60 seconds
- > Rewind and fast forward through your bookmarks and highlights
- > Change reading speed on the fly. 50-500 words per minute
- > Change TTS voice on the fly
- > Remembers the voice and speech rate used for each book or article
- > Playlist for listening to multiple articles back to backs
- > Continues reading when you exit the app or lock the screen



## Chapter 1

Copy

Define

Highlight

Note

Bookmark

Pronounce

It is a truth universally acknowledged, that a single man in possession of a good fortune, must be in want of a wife.

However little known the feelings or views of such a man may be on his first entering a neighbourhood, this truth is so well fixed in the minds of the surrounding families, that he is considered the rightful property of some one or other of their daughters.

"My dear Mr. Bennet," said his lady to him one day, "have you heard that Netherfield Park is let at last?"

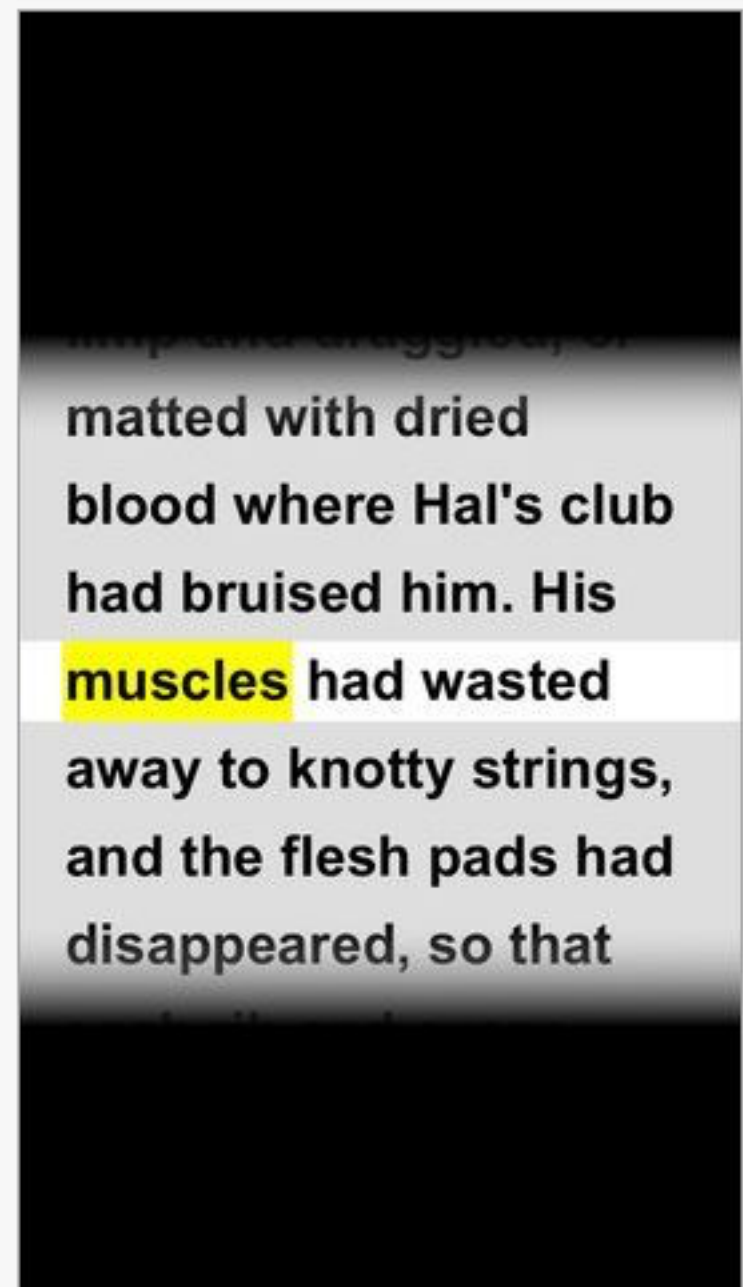
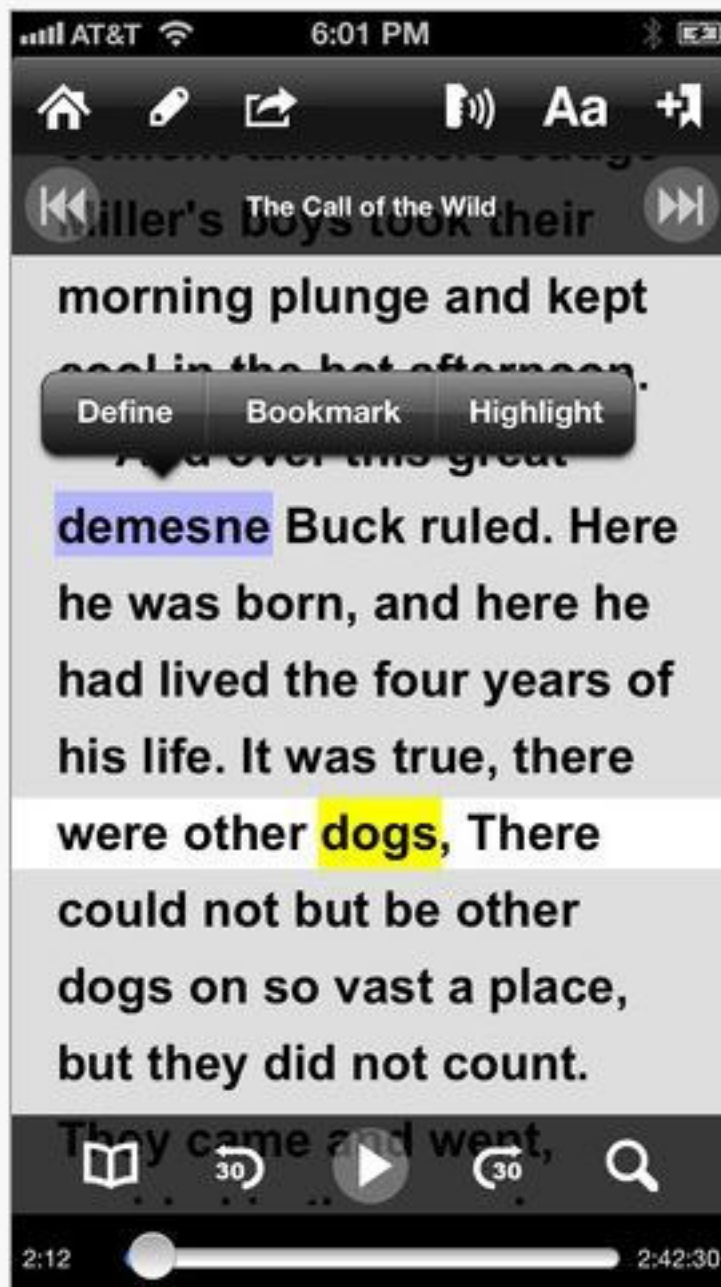
Mr. Bennet replied that he had not.

"But it is," returned she; "for Mrs. Long has just been here, and

she told me all about it."



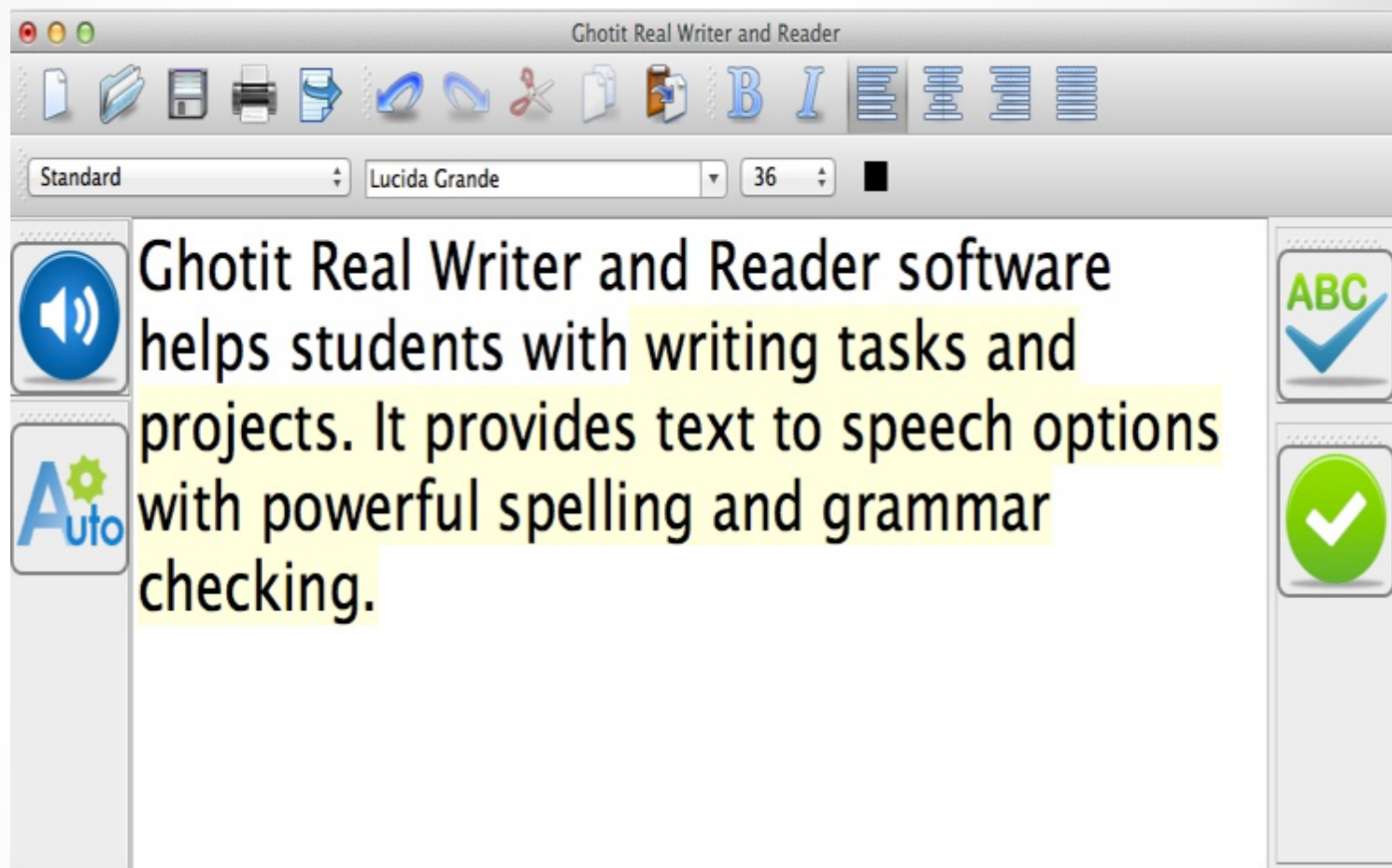


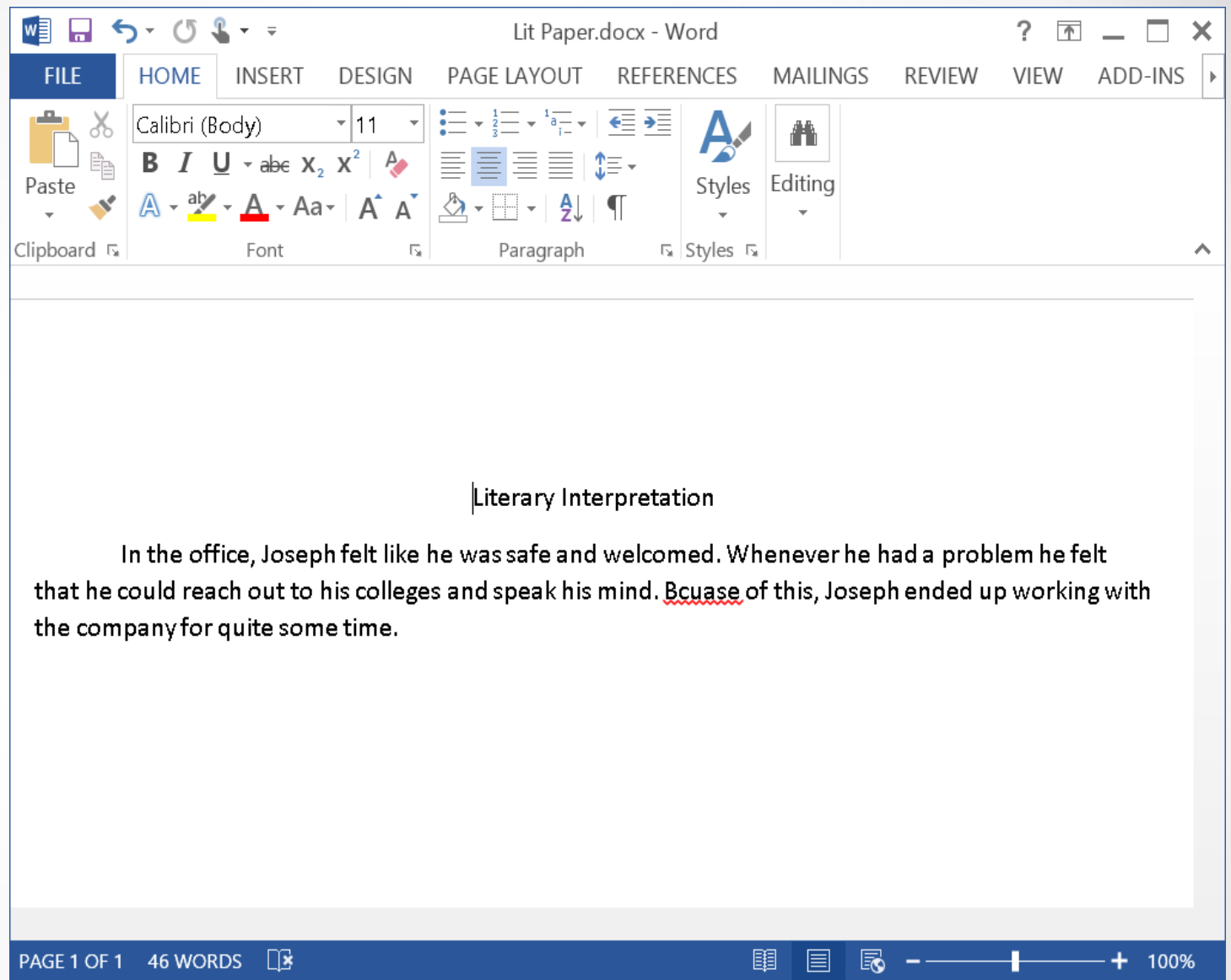


# Ghotit

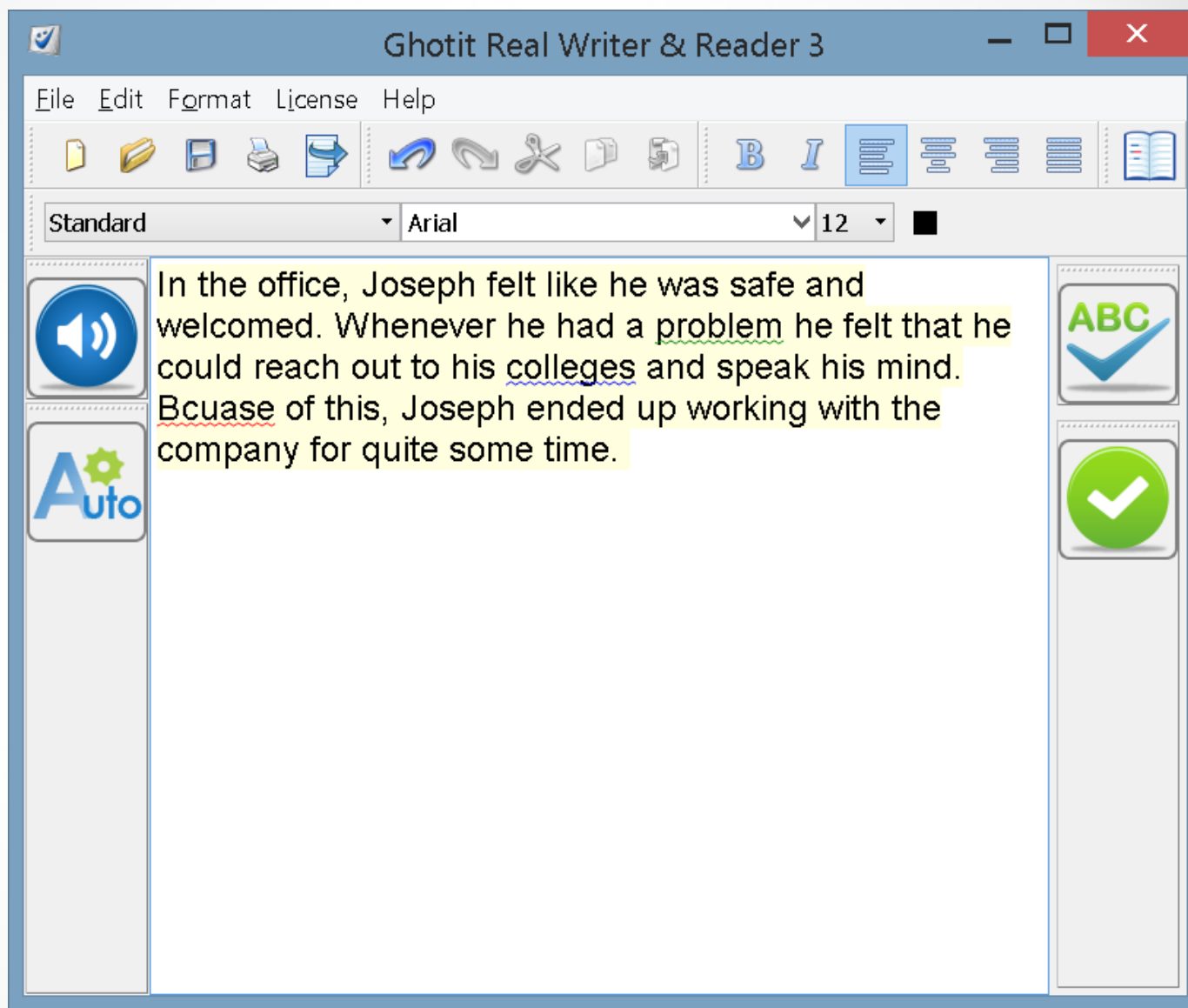


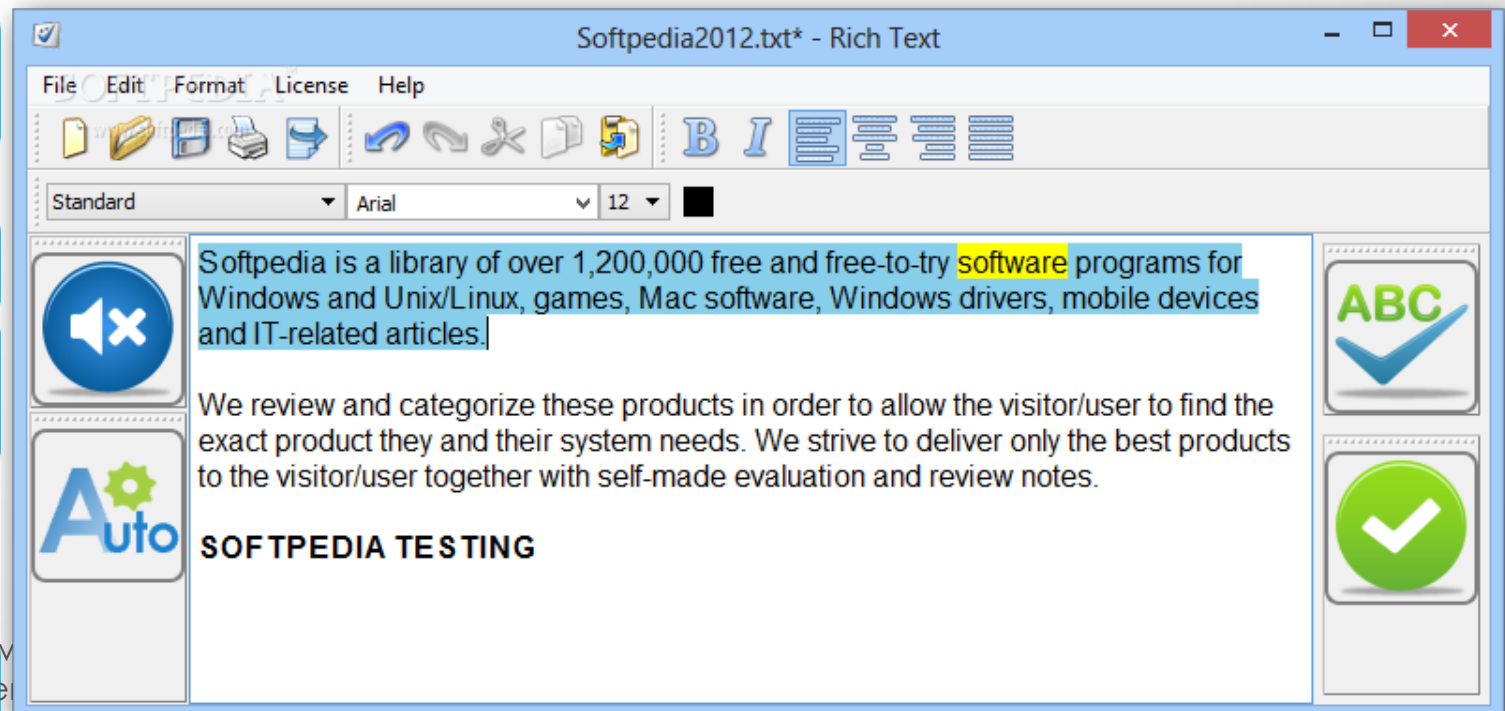
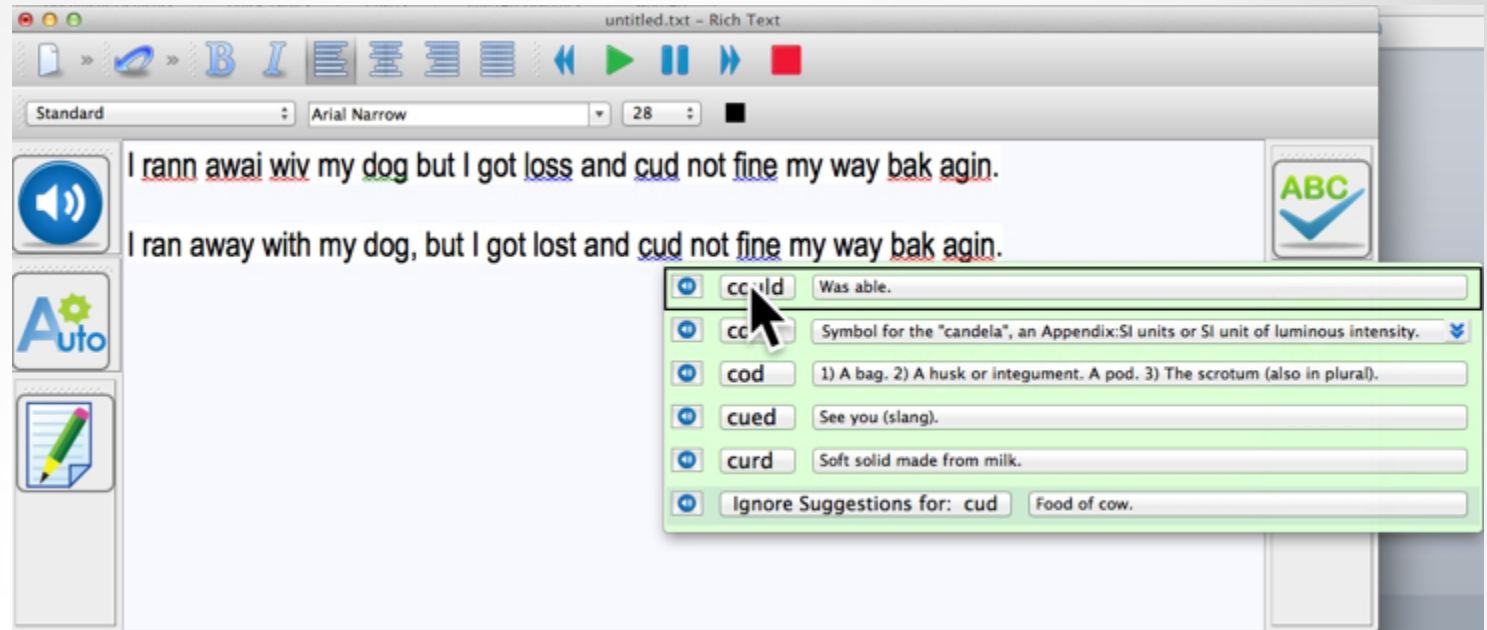
- Context and phonetic spell checker
- Grammar and punctuation checker
- Proofreader
- Reads out any document
- Word prediction by context and phonetics
- Integrated word dictionary

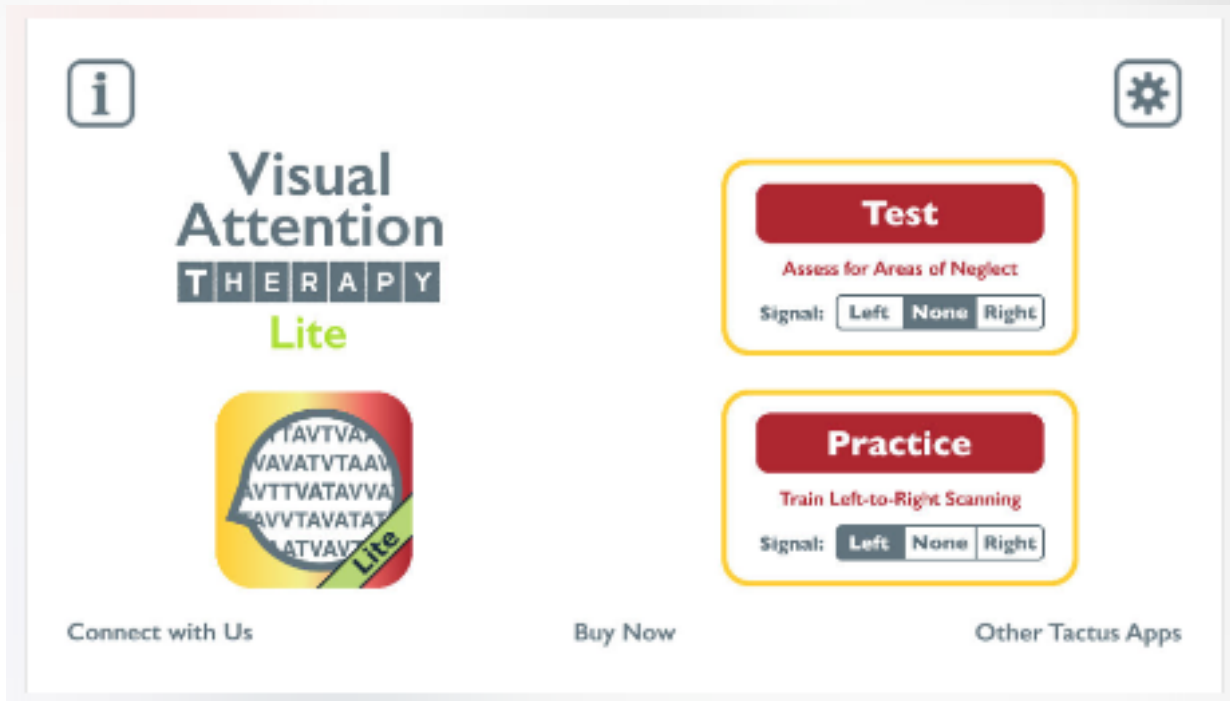




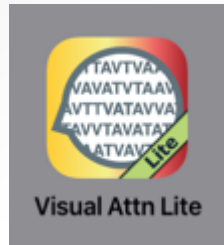




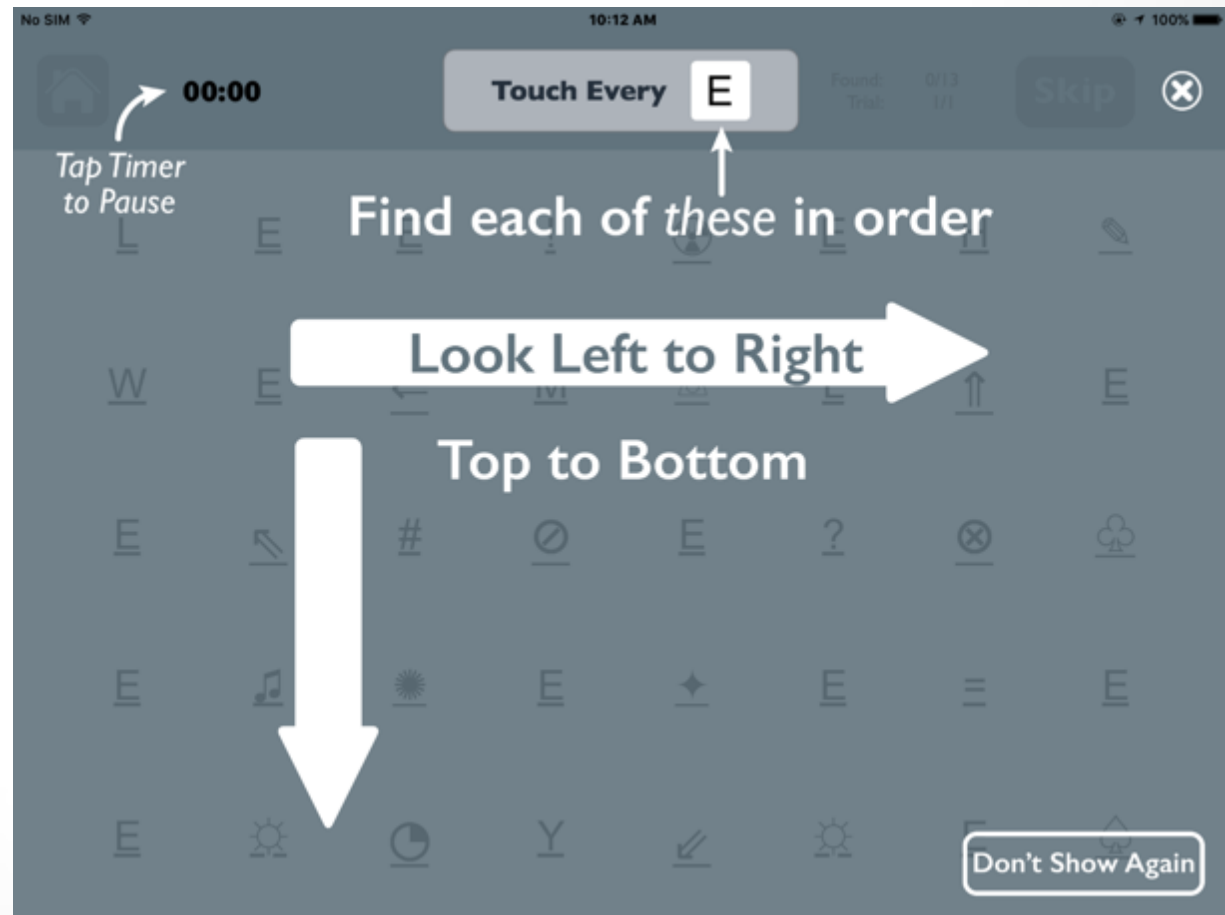




- Helps improve scanning abilities
  - Test mode: determine if an attention deficit exists
  - Practice mode: train scanning to find targets in order.
- \$9.99 Paid version



# Visual Attention Therapy Lite: Practice Mode





# Keedogo Plus

Keyboard for education to use in any app



## Essentially simple



- Focus on learning through a simplified layout
- Support early literacy development with lowercase letters
- Do not get distracted by auto-correction or spell check

## Optimize for early learners



- Benefit from lowercase letters and color-coded vowels
- Choose your preferred font, including dyslexic and school-friendly fonts **NEW!**
- Choose ABC or QWERTY layout

Search

JaneFarrall

Tasks

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Scheduled



## Tasks

No items

Done

☐ Try Keedogo w



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**For more information, please contact us at:**

**Assistive Technology  
Resource Centers of Hawaii**

**200 North Vineyard Blvd., Ste 430  
Honolulu, HI 96817**

**Phone: 808-532-7113**

**Toll Free: 800-645-3007**

**Fax: 808-532-7120**



# Check out our sponsor!



A decorative vertical strip on the left side of the slide featuring a blue and white abstract pattern of swirling, organic shapes.

**Thank you  
for coming  
and enjoy  
the rest of  
SPIN  
conference!**