

# Assistive Technology for Independence



[drnj.org/ATAC](http://drnj.org/ATAC)



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**Mike Marotta, ATP**

RESNA Certified Assistive Technology  
Professional (ATP)

Director, Richard West Assistive  
Technology Advocacy Center (ATAC)



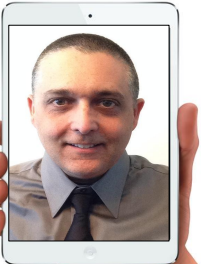
[drnj.org/atac](http://drnj.org/atac)



[mmarotta@drnj.org](mailto:mmarotta@drnj.org)



[@ATACNJ](https://twitter.com/ATACNJ)



Inclusive Learning  
Network

2017 Outstanding  
Educator

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Richard West Assistive Technology  
Advocacy Center (ATAC)

[drnj.org/ATAC](http://drnj.org/ATAC)



Solutions



**Disability Rights New Jersey**

*New Jersey's designated protection and advocacy system for people with disabilities*

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## Richard West Assistive Technology Advocacy Center (ATAC)

- Implementing agency for federal Assistive Technology Act program in New Jersey.
- <http://www.drnj.org/atac>
- The lead agency is the New Jersey Department of Labor and Workforce Development, Division of Vocational Rehabilitation Services.



### Disability Rights New Jersey

*New Jersey's designated protection and advocacy system for people with disabilities*

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## Richard West Assistive Technology Advocacy Center (ATAC)

- **State-Level Activities**
  - **Financing** – Claiming comparability due to similar loan services provided by PNC Bank and Bank of America
  - **Reutilization** – DRNJ operates “Back In Action” exchange program and contracts with local Goodwill affiliate for refurbishment program



### Disability Rights New Jersey

*New Jersey's designated protection and advocacy system for people with disabilities*

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## Richard West Assistive Technology Advocacy Center (ATAC)

- **State-Level Activities**
  - **Device Loan** – DRNJ subcontracts with a statewide program in Ewing, Advancing Opportunities, and a regional program in Monmouth County.



### Disability Rights New Jersey

*New Jersey's designated protection and advocacy system for people with disabilities*

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## Richard West Assistive Technology Advocacy Center (ATAC)

### • State-Level Activities

- **Device Demonstration** – DRNJ subcontracts with a statewide program in Ewing, Advancing Opportunities, and two regional programs in Monmouth County and Essex Counties.



### Disability Rights New Jersey

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## Richard West Assistive Technology Advocacy Center (ATAC)

### • State Leadership Activities

- **Training** - DRNJ provides training services on AT and IT accessibility on a statewide basis.
- **Technical Assistance** – DRNJ provides technical assistance to state agencies, nonprofit groups, and other entities on IT accessibility.



### Disability Rights New Jersey

*New Jersey's designated protection and advocacy system for people with disabilities*

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## Let's Explore Assistive Technology for Independence

[drnj.org/ATAC](http://drnj.org/ATAC)



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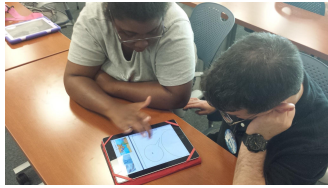
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## What is Assistive Technology? (Device)



Any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customize, that is used to increase, maintain, or improve functional capabilities of a person with a disability.



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The Chrome logo is shown in its multi-colored circular form. Below it is the word "Chrome" and an "Accessibility" icon consisting of a person with a white cane.	<p>Don't Forget ....</p> <p>Built in Accessibility Features</p>
Three laptops are shown, each displaying a different accessibility icon: a person with a white cane, a person in a wheelchair, and a person with a hearing aid.	An illustration of a hand holding a smartphone with the Android logo. Surrounding the phone are icons for sunglasses, a hearing aid, a person in a wheelchair, and a speech bubble.

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A photograph of a young child sitting on the floor and using a tablet computer.	<h2>Reading</h2>
A close-up photograph of hands holding a tablet that displays a page from a book with illustrations.	A close-up photograph of a hand pointing at text on a tablet screen.

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# Text to Speech

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## Built in iOS TTS

Settings

Accessibility

Speech

Speak Selection

Speak Screen

High Light Content

Typing Feedback

Voices

SPEAKING RATE

@mmatp

iOS

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iBooks

Where I Lived, and What I Lived

Speak

At a certain season of our life we are accustomed to consider every spot as the possible site of a house. I have thus surveyed the country on every side within a dozen miles of where I live. In imagination I have bought all the farms in succession, for all were to be bought, and I knew their price. I walked over each

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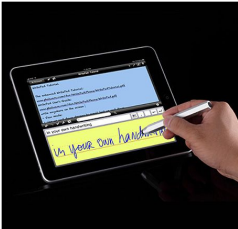
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**APPS  
FOR  
STRUGGLING  
WRITERS**



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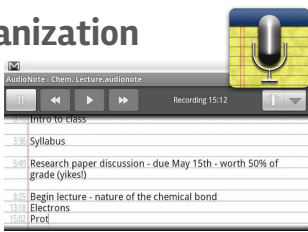

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### Note Taking / Organization



- Livescribe Pen
- Audionote app (iOS & Android, Mac & PC)
- Notability
- Mic Note (Chrome)



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# Word Prediction as a writing support

Canadian English II  
Secondary Level

WordQ for Chrome is an easy-to-use text editor for writing and editing simple documents with the support of word prediction, speech feedback and speech recognition features.

It is ideal for note-taking, initial drafts and proofreading/ editing with minimal formatting on a Chromebook, PC or Mac. It runs offline, and documents can be saved on Google Drive (when online) or locally (when offline).

1. writing 2. writing 3. writing system 4. writing style 5. writing paper

**WordQ**  
for Google Chrome™  
Now with  
Speech-to-Text

CO:Writer®  
Universal

Butterflies go through several stages of life.

We had a great time at the first jraf

- 1: giraffe
- 2: draft
- 3: drive
- 4: giraffes
- 5: ↓

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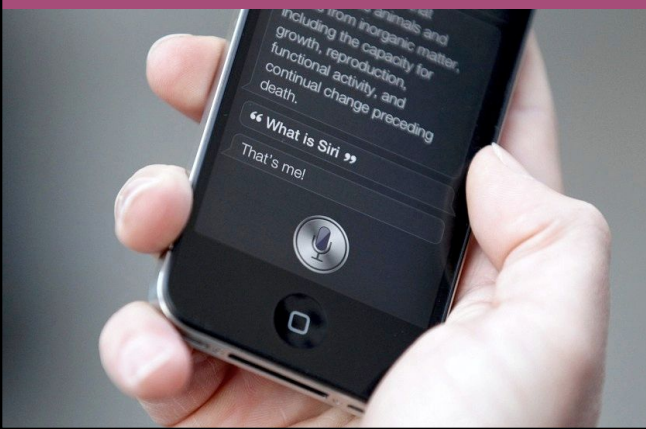
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# Voice to Text as a Writing Support



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# Voice Typing in Google Docs

Ablenet Univ Webinars 2015-2016

Tools | Table | Add-ons | Help | Accessibility

Spelling...  
Research Ctrl+Alt+Shift+I  
Define Ctrl+Shift+V  
Word count Ctrl+Shift+C  
Voice typing...

1/19/16 - Let's Look:  
With Chromebooks to whole new set of sup learners not only on webinars will introduce.

1/26/16 - Let's Look:  
With Chromebooks to whole new set of sup learners not only on webinars will introduce struggling writers. For every learner.

2/23/16 - Let's Look:

Click to speak

G Suite  
Google Drive  
Google Docs  
Google Sites  
Gmail

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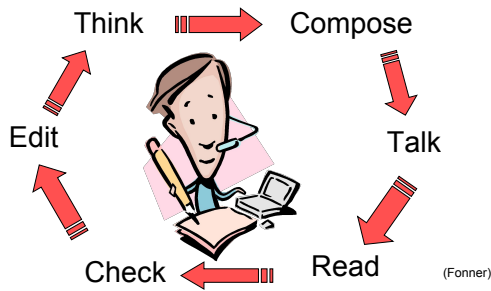
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## The Process of Writing with Voice..



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## Support Executive Functioning



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## Executive Function.....

..... is a set of mental processes that helps connect past experience with present action.

People use it to perform activities such as planning, organizing, strategizing, paying attention to and remembering details, and managing time and space.

(Source: NCLD; <http://www.nclld.org/types-learning-disabilities/executive-function-disorders/what-is-executive-function>)

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## Organization



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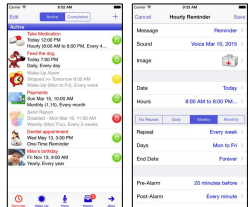
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## Calendars

Visual  
Schedule  
Planner



- Using Calendars
  - Common tool
  - Specific to an individual
  - Organize life as to sequence & time concepts

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## Visual Schedules

- Sequence of activities throughout the day
- Helpful for transition between activities
- Useful in redirecting back to activity



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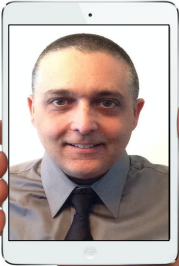
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@ATACNJ



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