

# Keeping It Accessible: Part 1 Captions for Everyone

TALive! December 11, 2019 Cara Wilmot, M.Ed., Deaf Education & Training Specialist

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#### Livebinder



Keeping It Accessible LiveBinder

http://bit.ly/AccessCaptions



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## **Rhett & Link Caption Fail**

RMTC-D/HH recommends you watch this video before watching the recorded TALive!

Lady Gaga Putt-Putt Rally

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# YouTube Automatic Caption Accuracy

"YouTube automatic captions typically provides about 60-70% accuracy, which means that 1 in 3 words can be wrong. This accuracy rate will be improved with good audio quality and simple content, but worsens when there is background noise, accents, or multi-syllable words."



# **Learning Objectives**

- Identify three captioned resources for learning content-specific vocabulary (in biology, history, literature, and other subjects) to increase literacy.
- Explain at least two reasons captioned media will increase students' motivation to read
- Identify at least three tools for creating captioned media in the classroom.



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## Subtitles vs. Captions vs. SDH

- Subtitles: Dialogue (intended for translation into another language)
- Captions: Dialogue, background sounds, speaker identification
- Subtitles for Deaf and Hard of Hearing (SDH): combine elements of both (also support newer digital connections like HDMI)







Example from Netflix's Stranger Thing.

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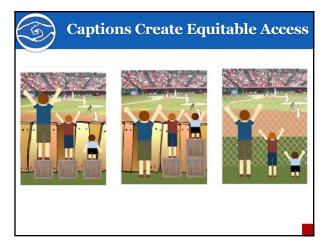
#### **Open vs. Closed Captions**

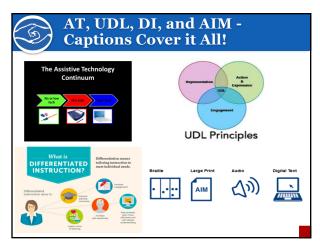
- Open captions are "burned in" when the video is created cannot be turned off
- Closed captions are added as a separate track can be turned on and off as needed, can change appearance in many players













#### **Universal Design for Learning**

Multiple & flexible means of:



♠ Engagement



♠ → Representation



Action & Expression

For more information visit the <u>Center for Applied Special</u>
<u>Technology (CAST) website.</u>

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#### **Accessible Instructional** Material (AIM)

"Providing AIM is an inherent component of the provision of a free and appropriate public education (FAPE) under the Individuals with Disabilities Education Act of 2004 (IDEA) for students with disabilities (section 300.210(b)(3) of Title 34, Code of Federal Regulations [CFR]). The IEP team is responsible for determining if a student needs AIM, the format of such materials and the necessary related accommodations the student may need to access standards-based instruction." (Page 1 Florida AIM TAP)

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As such, "... the SEA [State Educational Agency] must ensure that all public agencies take all reasonable steps to provide instructional materials in accessible formats to children with disabilities who need those instructional materials at the same time as other children receive instructional materials." [34 CFR §300.172(b)(4)]" (FL AIM Tap, Page 3)



# Required by Civil Rights Laws

- ADA
  - · Title II: state and local government, including public schools and universities
  - Title III: places of public accommodation, including private colleges and universities, movie theaters
- · Section 504 of the Rehabilitation Act of



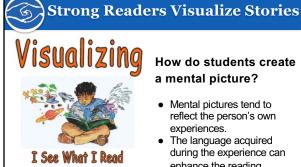
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#### Other Federal Legal Requirements

- Section 508 (refreshed to reference the Web Content Accessibility Guidelines or WCAG)
  - Guideline 1.2: Time-based Media
- 21st Century Communications and Video Accessibility

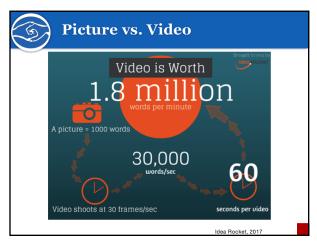
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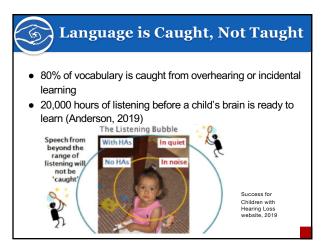


I Feel What I Read It's Like a Movie in My Mind

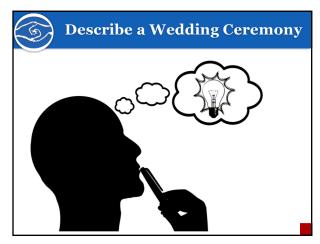
#### How do students create a mental picture?

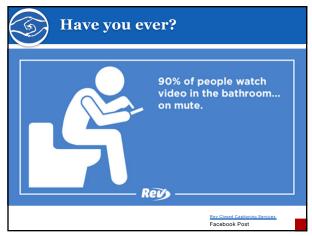
- Mental pictures tend to reflect the person's own experiences.
- The language acquired during the experience can enhance the reading comprehension.

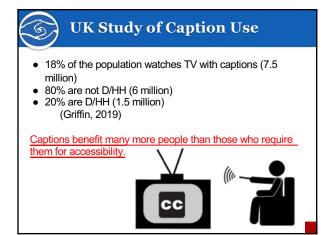












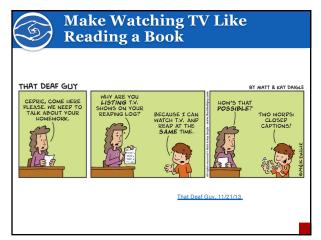


# **Benefits of Captions for ALL**



- Comprehension of dialogue
  - Too quick, accents, mumbled, or background noise
- Provides clarity for the viewer
  - Full names, brand names, or technical terminology
- Can watch video in soundsensitive environments
- Users report a better experience

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#### **Captions Support Learning** and Literacy

Children who watch captioned video are better able to:

- · Define content words heard in the videos
- · Pronounce novel words
- Recognize vocabulary items

Captions increase the exposure to print and explicitly illustrate the mapping between sounds, meaning, and text.



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#### **Research Shows Captions Can**

- Improve reading and listening comprehension.
- Help students acquire new vocabulary.
- Enhance word recognition and decoding of words.
- Reinforce spelling and
- grammar.
  Provide overall enjoyment of reading. (Kosiken, 1985)



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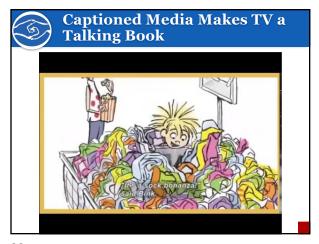
#### **Captions Can Benefit** Everyone

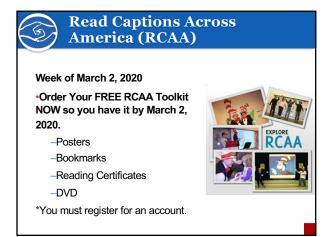
- Emerging Readers
- Middle Schoolers
- Adolescents
- College Students
- Adults
- Reading Below Grade Level
- Students with Learning DisabilitiesESL/ELL Students
- Students who are D/HH







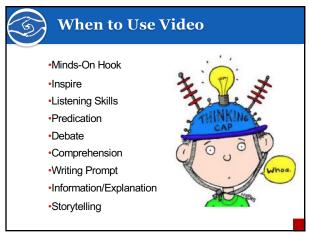


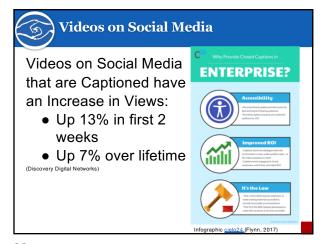




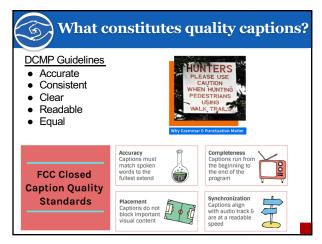










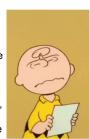






## **Youtube - Terms of Use**

- You <u>cannot download</u> videos from YouTube unless there is a download button.
- Watching through YouTube's player is how the company is able to earn revenue to provide the service for free.
- If you download using software, you are breaking the terms of service.
- The video will not download the captions, because it is a separate file.
- A company will not be able to caption the video unless you own the rights to that video.



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#### 100% Reliable

- Fully funded by the Department of Education
- Streaming TV and Movies, DVDs, Interactive Media, Resources
- PK-12 content searchable by subject area
- For the education of students with <u>Sensory</u> <u>Disabilities</u>.



TA Live! Archive: Using Accessible Media with Students who are D/HH (DCMP) - January 10, 2019

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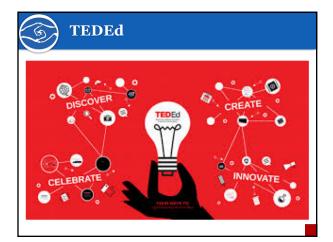
Florida offers a FREE loan video library service for educators, interpreters, and other professionals serving students who are Deaf and Hard of Hearing in Florida. These materials are only to be used in the state of Florida.

**Media & Materials Loan** 

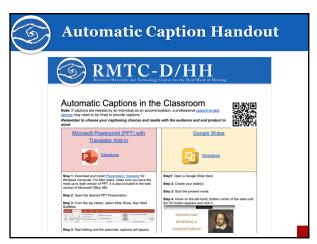














# **Google Captions in Slides**

- Automatic captioning while presenting with Google Slides
- No transcript or editing
- Requires internetCan use a slide with just a picture



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#### **Microsoft Translator**

- Free Add-in for PowerPoint
  - Must download > Search "Presentation Translator"
- Automatic subtitles require internet
- Customizable speech recognition
- Editable transcript provided
- Only for PC at this time. Mac coming soon....



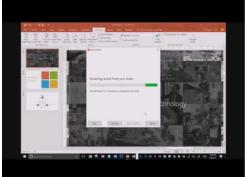
ow along with this presentation in your language on the crosoft Translator app or on any web browser. www.translate.it/EJYKI

Sample Introduction slide. For demonstration purposes only.

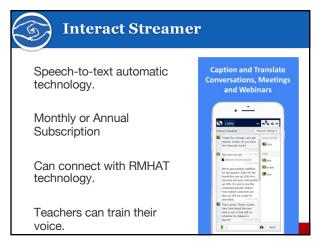
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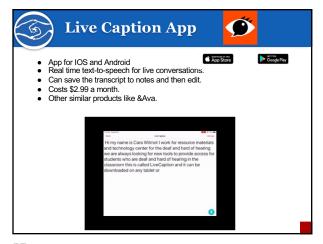


#### **Microsoft Translator**











#### & Ava

Ava - Communication Beyond Barriers iPhone, iPad, iPod Touch

FREE to download FREE 1st month full access trial FREE basic plan (1-on-1 conversations/5 hours per mo) \$29.99/mo for unlimited plan



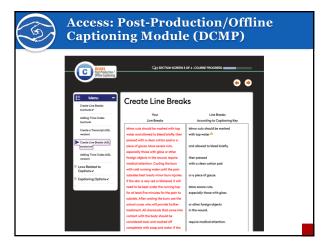
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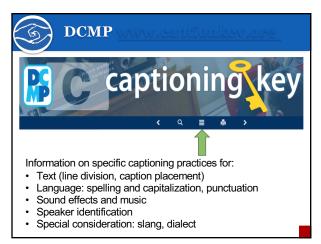


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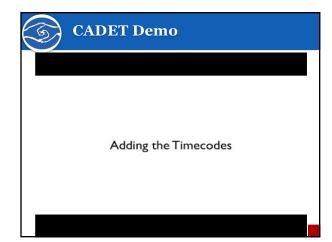




#### **CADET**

- Cadet is a free captioning tool from NCAM.
- · Available for Mac and Windows.
- It runs as a web app that works on most browsers.
- It has a built-in editor where the audio from a video can be transcribed and timed using a number of easy-tolearn keyboard shortcuts.
- It supports styling and placement for captions.
- It has support for exporting to popular caption file formats, including SRT, SCC and more.

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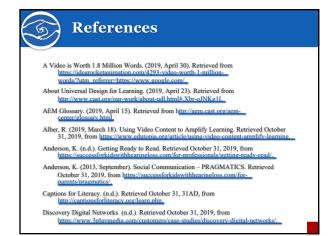














## References

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