



Digitising Note taking accommodations

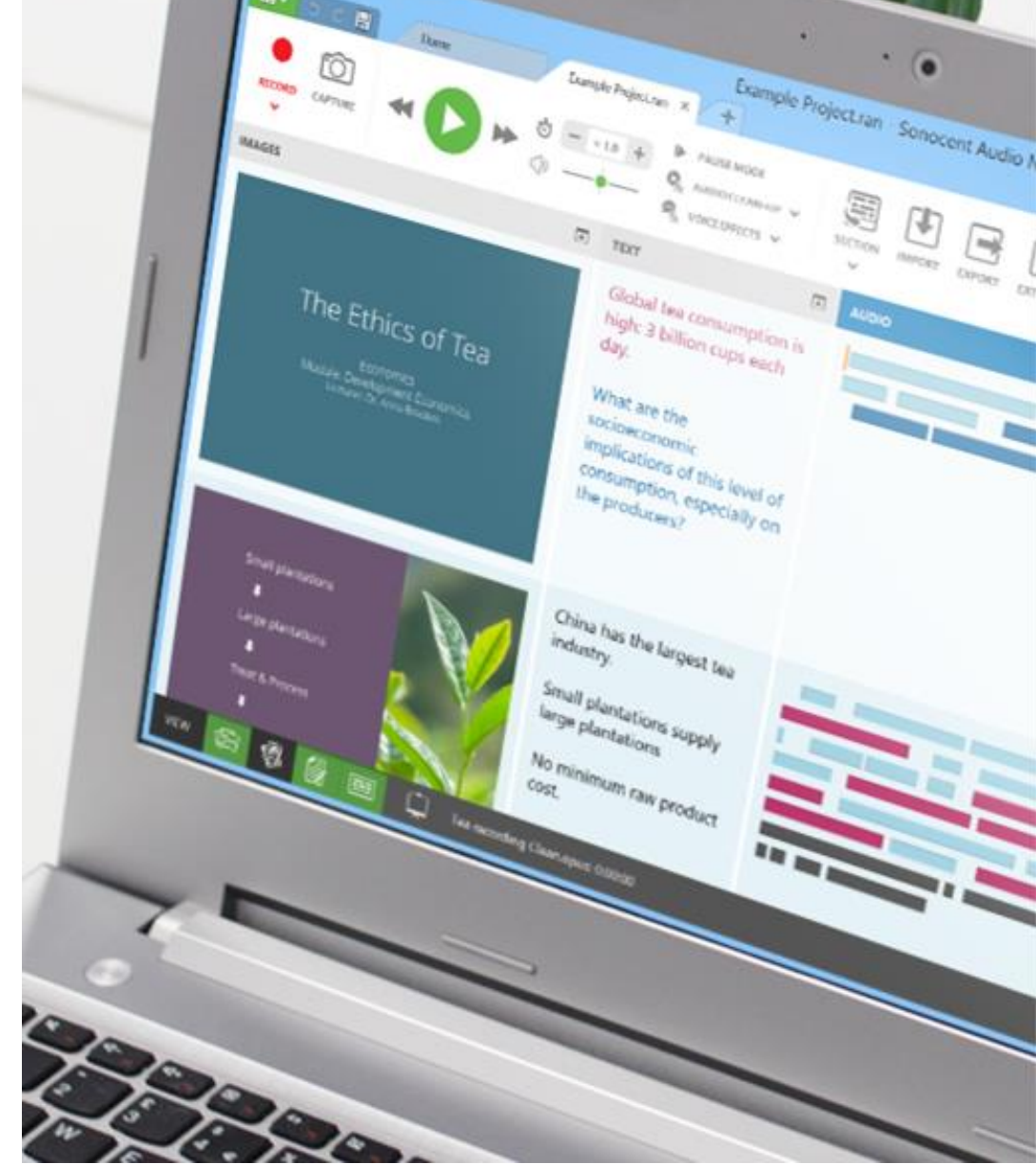
Jim Sprialis
Sprialis Consulting

Sonocent

Pathways13

Session Outline

- Introduction
- Why address note-taking?
- And why is it so difficult?
- Challenges for students with disability
- Effective note-taking
- Demonstration of Audio Notetaker
- Current impact and learner benefits
- Q&A





About Sonocent

- Educational technology company founded in 2007
- **Goal:** “transforming people’s learning experience through **universally accessible technology**”
- Multi-award winning
- Friendly, passionate people who genuinely care about helping people reach their potential



Better notes lead to better grades

Titsworth, B.S. (2001).

"...**accurate and complete notes are critical** for students to be **successful** in content area classes."

Boyle, J.R. (2012)

"...if information is **recorded poorly** in their notes, students will more than likely **perform poorly on tests.**"

Stringfellow, J.L., & Miller, S. P. (2005)

"The **highly positive relationship between notetaking** [...] and **achievement** was [...] confirmed correlationally"

Titsworth, B. S., & Kiewra, K. A. (2004).



**Note-taking is a highly complex task
placing more burden on memory and
processing skills than playing chess**

Piolat et al., (2005).



Additional note-taking roadblocks



Working memory



Auditory/Visual Difficulties



Concentration



Language Processing



Sequencing



Multitasking



Poor Spelling



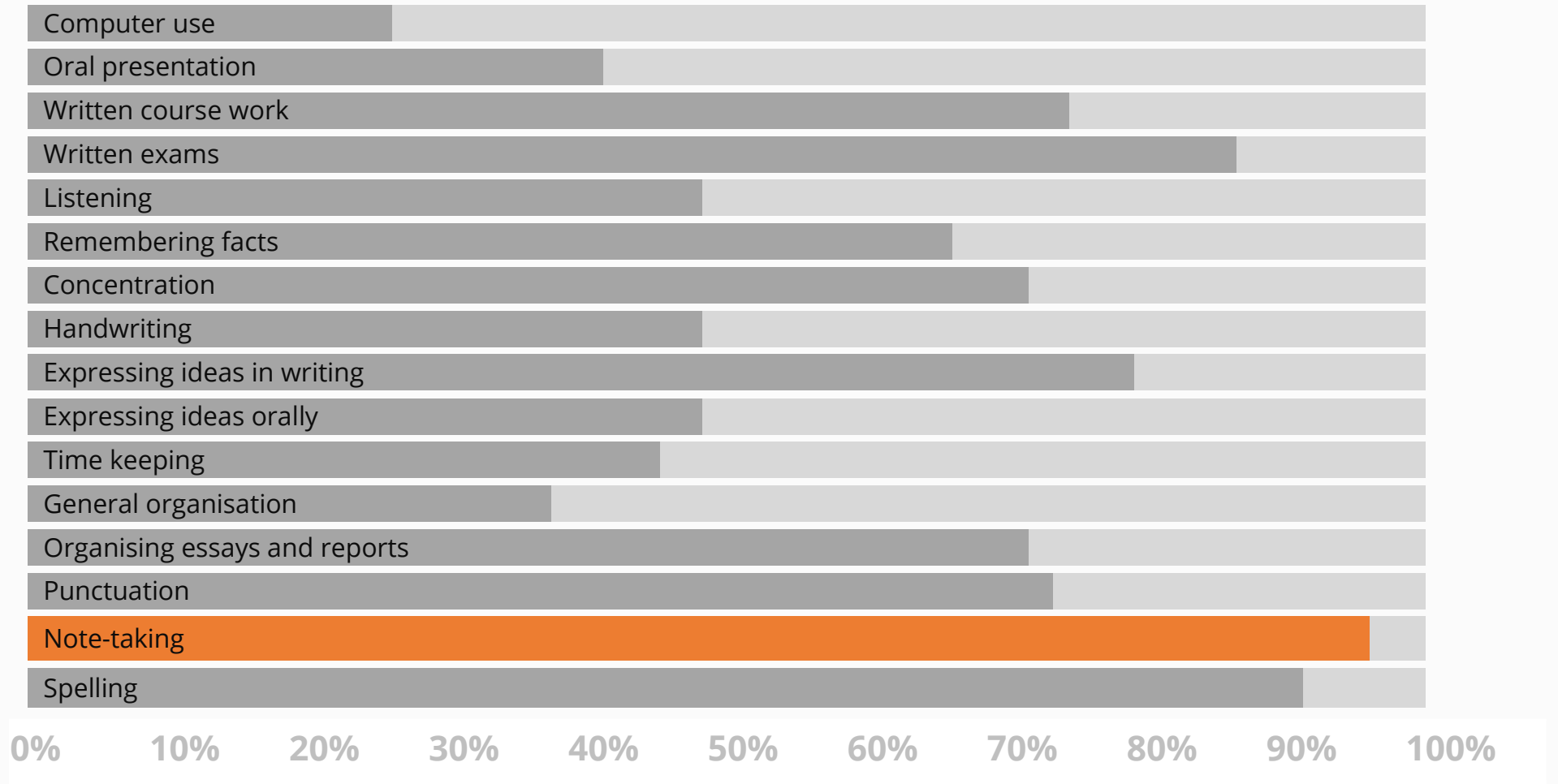
Anxiety



SwD really struggle with note-taking

Note-taking is the biggest problem students at university with dyslexia feel they encounter*

*Webster. D.M (2016). [*Listening to the Voice of Dyslexic Students at a Small, Vocational Higher Education Institution to Promote Successful Inclusive Practice in the 21st Century.*](#) *Journal of Learning and Teaching* Vol. 2, No. 1, p78-86.



What is effective note-taking?

- **Capture**

- Need to **capture** the information to later **review**

- **Synthesis**

- **Summarising** is key to learning
- Helps recall and **long-term retention**

“Studies have found that note-taking is most effective when notes are organized and transformed in some way.”

Brown, C (2015). What's the best, most effective way to take notes?
The Conversation.



Active learning, a key aspect of **student engagement**, is **reduced** when students are not **directly involved in the process of collecting and sorting information for notes**

(Brazeau, 2006)



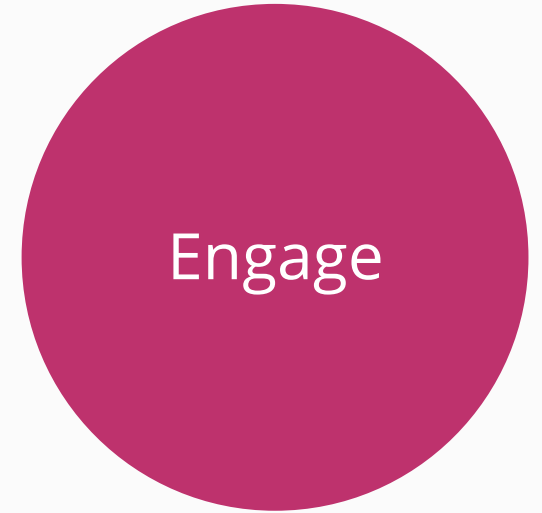
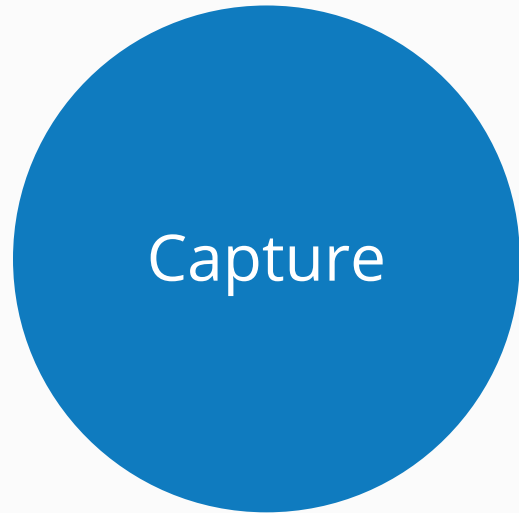
**Note-taking is most effective
when done
independently**



Why we made Audio Notetaker!

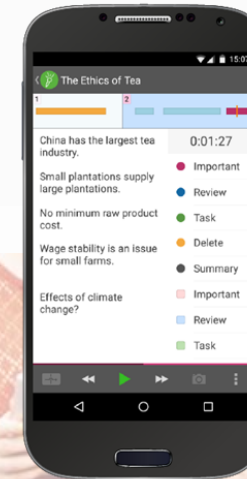
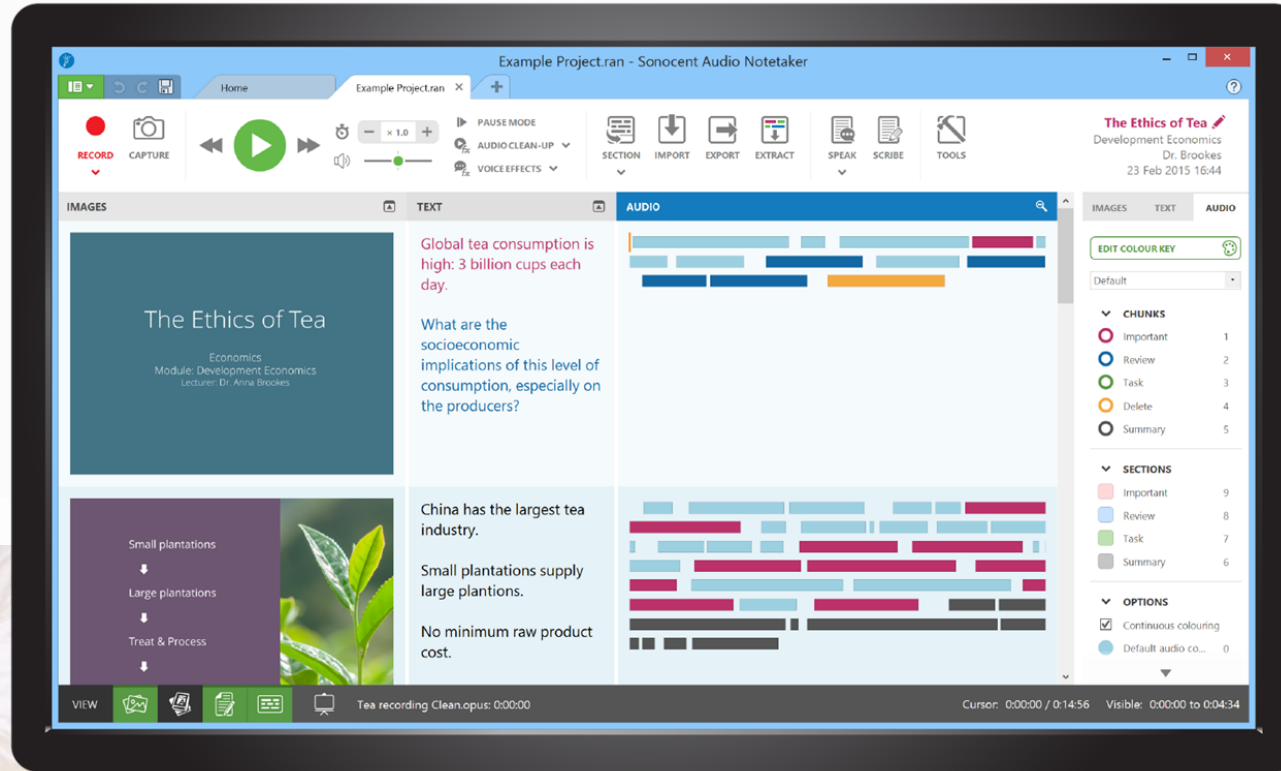


Sonocent breaks the note-taking process down into manageable steps



The Sonocent workspace

Major Mac
update
coming soon



**Sonocent Audio Notetaker
(PC/Mac)**

**Sonocent Recorder
(iOS/Android) *Free Download***



www.sonocent.com



Demonstration



What else can students do
with Audio Notetaker?

Record from videos or webinars & use Screen Capture

The image shows two overlapping windows. The left window is a web browser displaying a TED talk by Rosie King titled "How autism freed me to be myself". The video player has a play button icon overlaid on the video frame. The right window is the Sonocent Audio Notetaker application, which is recording the video. The application interface includes a control bar with a red record button, a green play button, and a volume slider. Below the control bar, there are tabs for "IMAGES" and "AUDIO". The "IMAGES" tab is active, showing a thumbnail of the video player with a play button icon. A red arrow points from the play button icon in the video player to the play button icon in the application's image thumbnail. The application also has a sidebar with a "LECTURE Note Taking" dropdown menu and a list of "CHUNKS" and "SECTIONS" with color-coded markers. The status bar at the bottom of the application shows "Audio Notetaker Recording 16-10-12 14.05.48.wma: 0:00:38".



Scribe: transcribe audio with Dragon

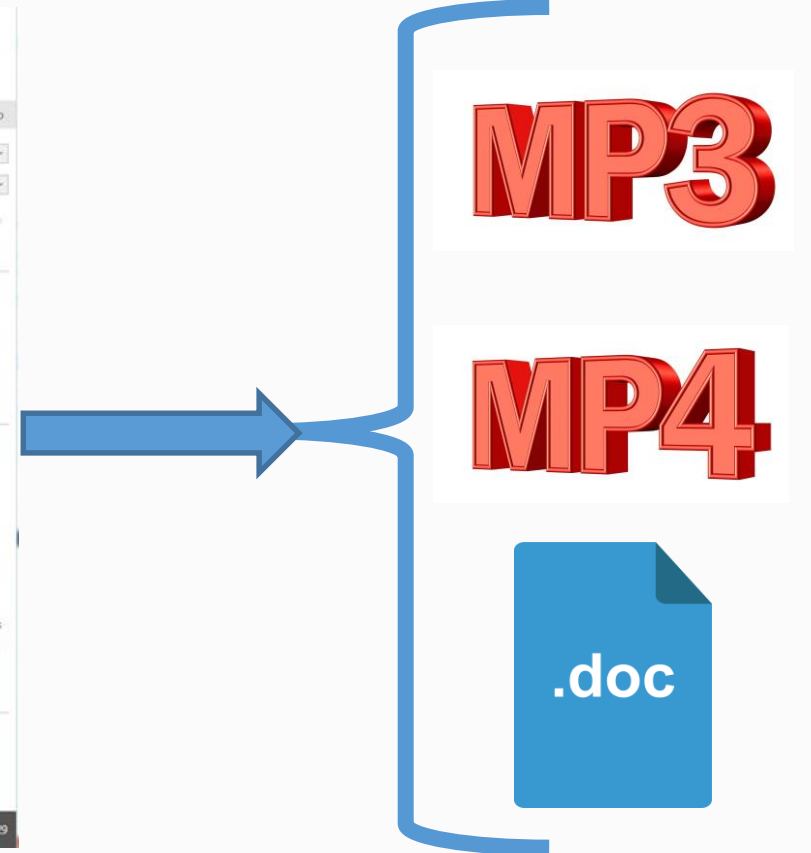
The screenshot displays the Sonocent Audio Notetaker software interface. The title bar reads "Essay Example Global Warming.ran - Sonocent Audio Notetaker". The interface includes a top toolbar with buttons for RECORD, CAPTURE, playback controls, and various editing functions like SECTION, IMPORT, EXPORT, EXTRACT, SPEAK, SCRIBE, and TOOLS. A central workspace is divided into three columns: REFERENCE, TEXT, and AUDIO. The REFERENCE column contains several entries with dates and URLs. The TEXT column shows transcribed text corresponding to the audio. The AUDIO column displays a waveform with colored segments representing different sections. A context menu is open over the AUDIO column, listing options: "Open/Configure Speech Recognition...", "Scribe Selected Audio", "Scribe All Audio", "Scribe Current Section", "Scribe By Colour", and "Settings". On the right side, there is a sidebar with tabs for IMAGES, TEXT, and AUDIO, and a list of CHUNKS and SECTIONS with corresponding color keys.

REFERENCE	TEXT	AUDIO
13 Jan 2014, http://www.epa.gov/globalwarming/kids/gw.html . Academic Paper	It is argued that... The Environmental Protection Agency (EPA) in the US argues that...	[Audio waveform with blue and green segments]
2 Jan 2014, http://yahooligans.yahoo.com/content/science/briinpop/movie?id=globalwarming Video.		[Audio waveform with blue and green segments]
My thoughts. Need to expand more on this area and find a substantiating quote before writing any more.	What about the impact of ..., is anyone undertaking studies into this? 20,000 trees cut down a year - where did I read that?	[Audio waveform with yellow and cyan segments]
23 January 2014 http://www.climatehotmap.org/africa.html . map	The map illustrates the impact global warming is having on life in many of the islands and low lying countries around the world. Smaller economies are already seeing adverse alterations to their way of life.	[Audio waveform with yellow and red segments]
Intro	Global warming can be defined as...	[Audio waveform with blue and cyan segments]
23 January 2014 http://www.newscientist.com/hottopics/climate/climatetrends.jsp . Magazine article.		[Audio waveform with cyan and blue segments]



Repurpose into study guides or assignments

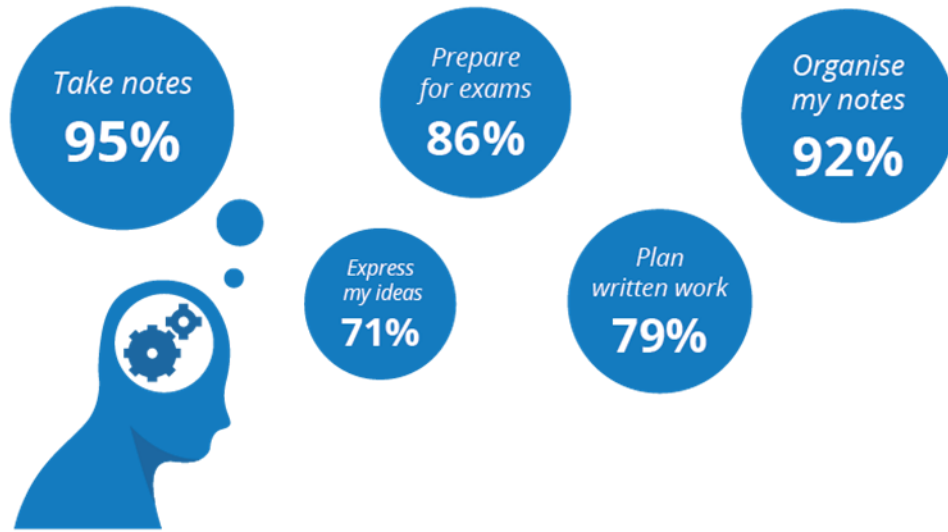
The screenshot displays the Sonocent software interface for a lesson titled "TOK theme - The changing pe...". The interface is divided into several panes: "IMAGES", "REFERENCE", "TEXT", and "AUDIO". The "TEXT" pane shows a lesson plan with three sections, each containing a date, a URL, and a brief description. The "AUDIO" pane shows a timeline of the audio content with colored bars indicating different sections. The sidebar on the right contains a "COLORS" section with four color-coded options: "Important" (red), "Don't understand" (blue), "Use for analysis" (green), and "Use for evaluation" (pink). Below this is an "OPTIONS" section with various actions like "Cut", "Copy", "Paste", "Delete", "Check spelling", "Copy text from all slides", "Copy text from this slide", "Push text", and "Copy all text and ima...". The bottom status bar shows "PAGES", "Example-Audio-v3.mp3: 0:00:04", "Cursor: 0:00:04 / 0:10:34", and "Visible: 0:00:00 to 0:03:29".





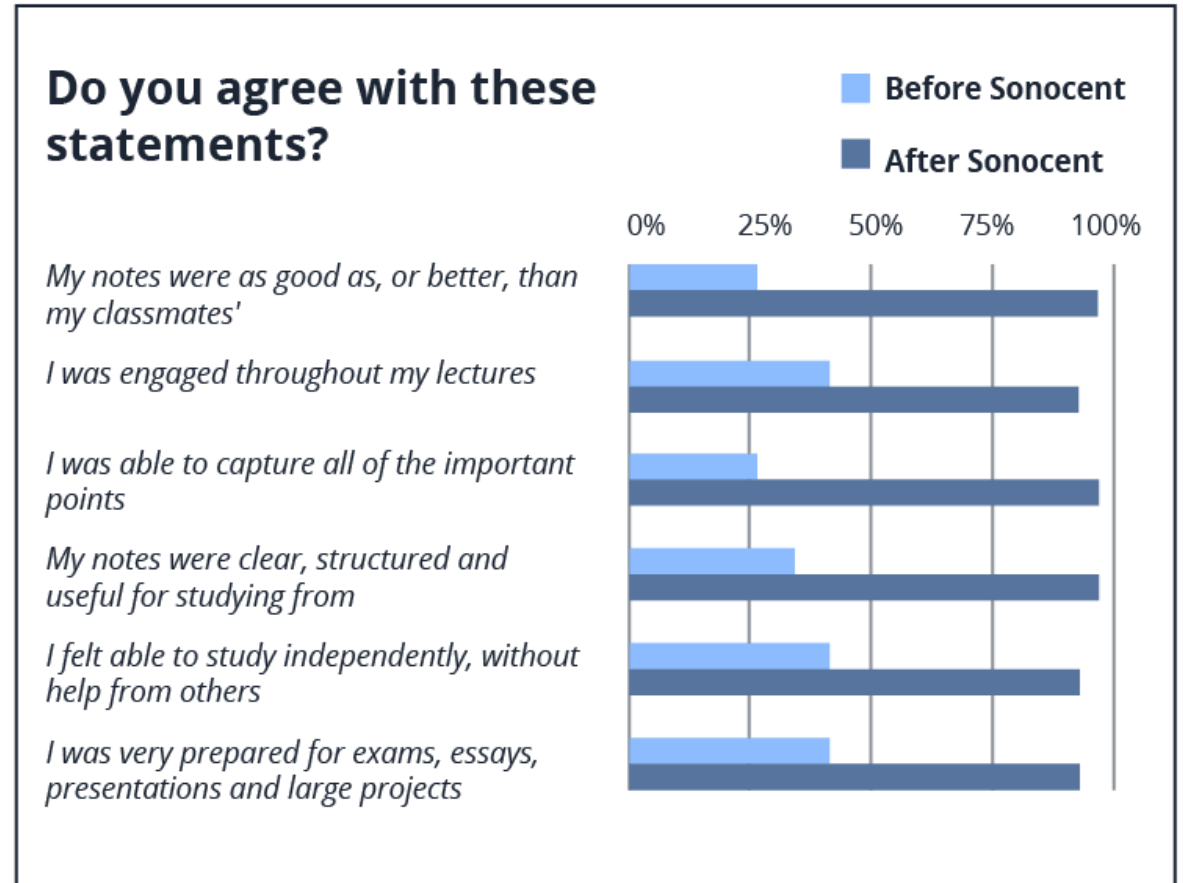
What do students and
campus staff think?

Latest user survey results



78% of students use our Sonocent app for iOS and Android

77% use Sonocent outside of lectures, to engage with content in a variety of educational settings

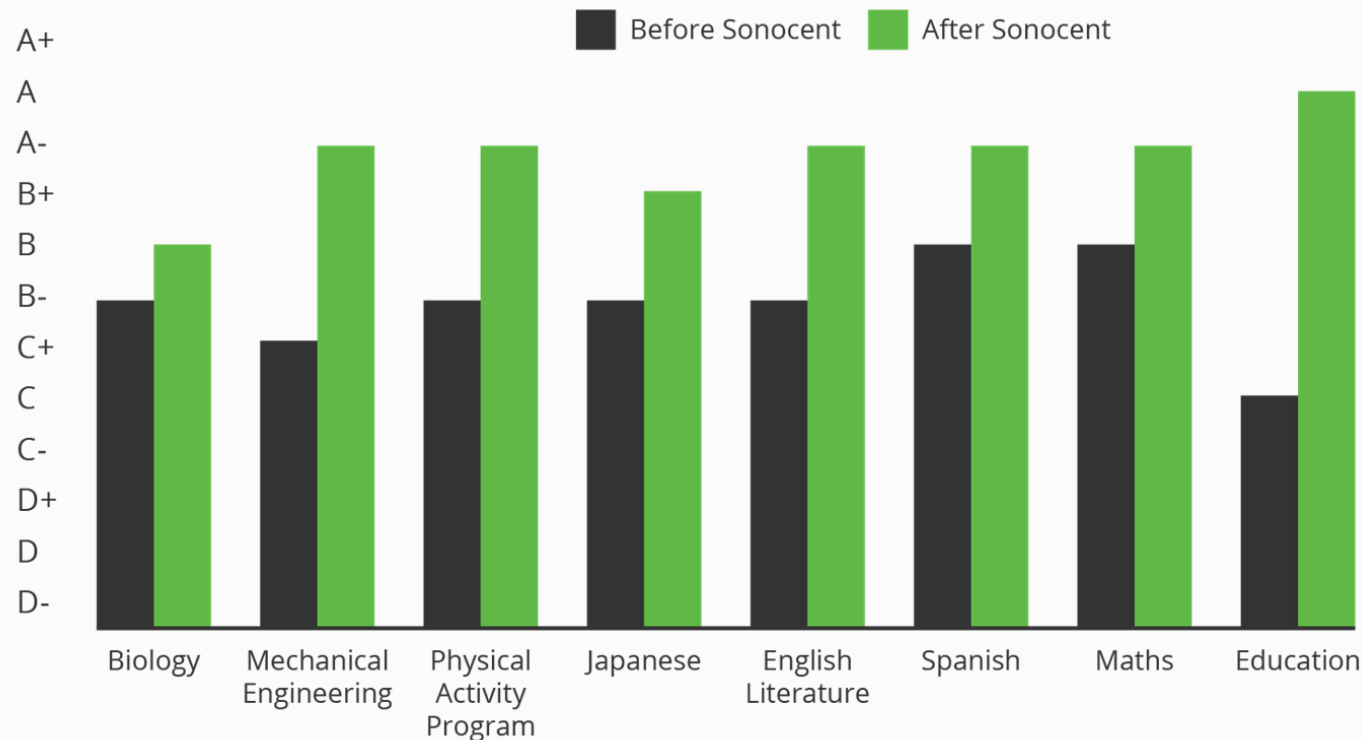


All data from a June 2016 end user survey, with 929 student respondents

Measuring Impact

Sonocent is *proven* to create **learning independence** and **improve grades**

Grade increase in individual students at The University of Nevada, Reno



“Every student tells me it’s making a difference. And it shows whenever we do end-of-semester grades.”

Darrin McCarthy
Lead Student Assistive
Technology Specialist
University of Nevada, Reno



Who has implemented Sonocent?



Accessing Sonocent

- Free **30 day trial** of Audio Notetaker:
 - www.sonocent.com/australia
- Free **Sonocent Recorder app** (iOS / Android)
- **Sonocent Loan Licenses**
 - **Lend** the software to multiple students for specific durations
 - Licenses managed from an **online dashboard**
 - **Approve** and **extend** or **reallocate** loans of the software with a few clicks

Request a Free
Campus Trial

Sonocent Loan License Manager

Dashboard







License Key: IAN-SZ03-9YYPQ4-7B84TQM-3UMGG4
Current License Total Loans: 50

0 Loans Awaiting Approval
2 Loans Nearing Expiry
7 Recently Expired Loans
19 Loans In Use
31 Available

Name	Email	Status	License Key	Expiry Date
Ajire Ragnarok	gottedammerung@uot.com	Active	MYG5TNO48MD9L	17-Aug-2016
Zobedah Xenophon	phonu@classics.uot.com	Active	KGWAGKEETCTZ4	17-Aug-2016
Oolon Colliphid	colliphid@philosophy.uot.ac	Active	WAGKEENGCTZ4	17-Aug-2016
Hari Seldón	psychohistorian@math.uot.ac	Active	HGCTWAGKEE24	17-Aug-2016
Palmanston Wintergreen	paintergreen@uot.com	Active	TCTWAGKEEGA24	17-Aug-2016
de Selby	deselby@uot.com	Active	768WP LU9PH2D	17-Aug-2016
Bernard Quatermass	quatermass_b@uot.com	Active	WFLU9P76PH2D	17-Aug-2016
Piers Prowman	piersp@uot.com	Active	8PH2WP LU9P76D	17-Aug-2016



Supports diverse learners

-  Dyslexia
-  ADHD
-  PTSD
-  Autism
-  Dyspraxia
-  Certain physical impairments

Importantly, the software supports struggling students who rely on **visual learning modes** to assist them in making sense of content.

The **visual representation** of the recording adds a **tangible cognitive bridge** to the audio content.



Resources & Support

- **End user training portal** coming very soon!
- YouTube playlists: <https://www.youtube.com/user/audionotetaker/playlists>
- Online Knowledge Base: <http://windows-support.sonocent.com/>
- Lovely **Support** Team: support@sonocent.com
- **Australian** based trainer: jim@sprialisconsulting.com



Frequently Asked Questions

What is the recording quality like?

Do students need to sit at the front?

Is the software accessible?

How much training do students need to use the software?



Thank you!



Grab today's handout



Your conference satchel has details about the Sonocent Connect Program



Visit us in the Exhibition area