



Accessibility in Office 365 and Windows 10





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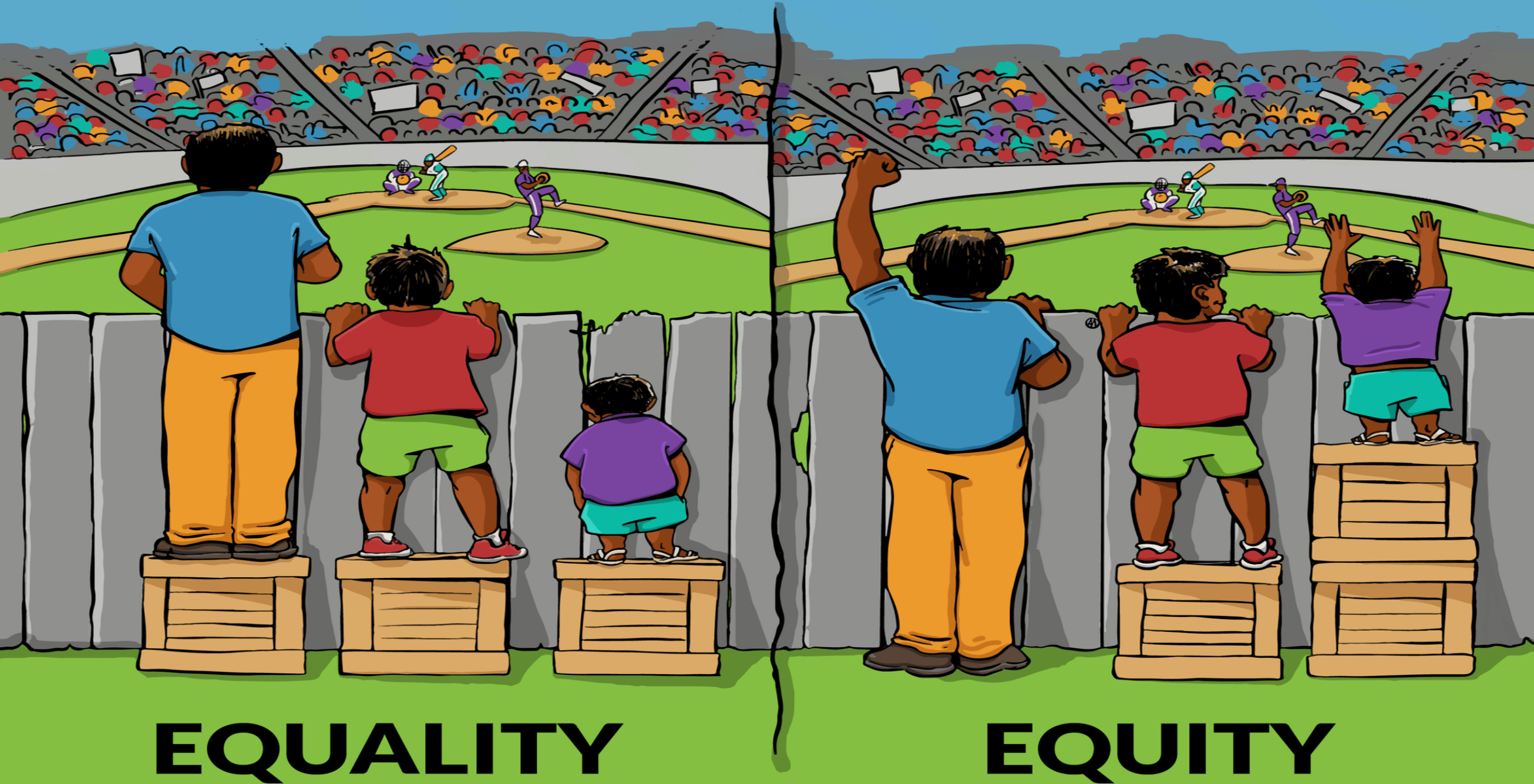


[@hojusaram](https://twitter.com/hojusaram)
[@MSAuEdu](https://twitter.com/MSAuEdu)



fb.me/TroyWallerMLC

Let's get social!



"Our mission is to empower every person and every organisation on the planet to achieve more."



Promoting independence



Learning

- Dyslexia
- Dysgraphia
- Dyscalculia



Visual

- Low vision
- Blind
- Colorblind



Hearing

- Deaf
- Hard of Hearing



Mobility

- Cerebral Palsy
- Muscle Dystrophy
- Amputation



Neurodiversity

- Autism
- ADD/ADHA
- Seizure



Mental Health

- Anxiety
- Depression
- OCD

Inclusive Classroom



Reading
Support



Writing
Support



Communication

Reading Support





Microsoft Hackathon 2015 winner changes lives!

A large, dark, irregular ink blot with splatters on a white background. The blot is roughly circular but has many jagged, feathered edges. It is a deep charcoal or black color. Numerous small, dark droplets and splatters are scattered around the main blot, particularly towards the top and right sides, giving it a sense of motion or a 'splashed' appearance. The overall effect is artistic and textured.

Immersive Reader

Demo

High interest, low ability

"Nearly all of the study teachers mentioned how Learning Tools enabled their readers, regardless of skill level, to access content aimed at a higher reading level. In this case, "access" means comprehension of content that had previously been unavailable."



Native to Office



The Office 365 logo, featuring a white 3D cube icon on the left and the text "Office 365" in white on the right, all contained within a red rounded square.

Office 365

The Office Online logo, featuring a small white 3D cube icon on the left and the text "Office Online" in white on the right, all contained within a red rectangle.

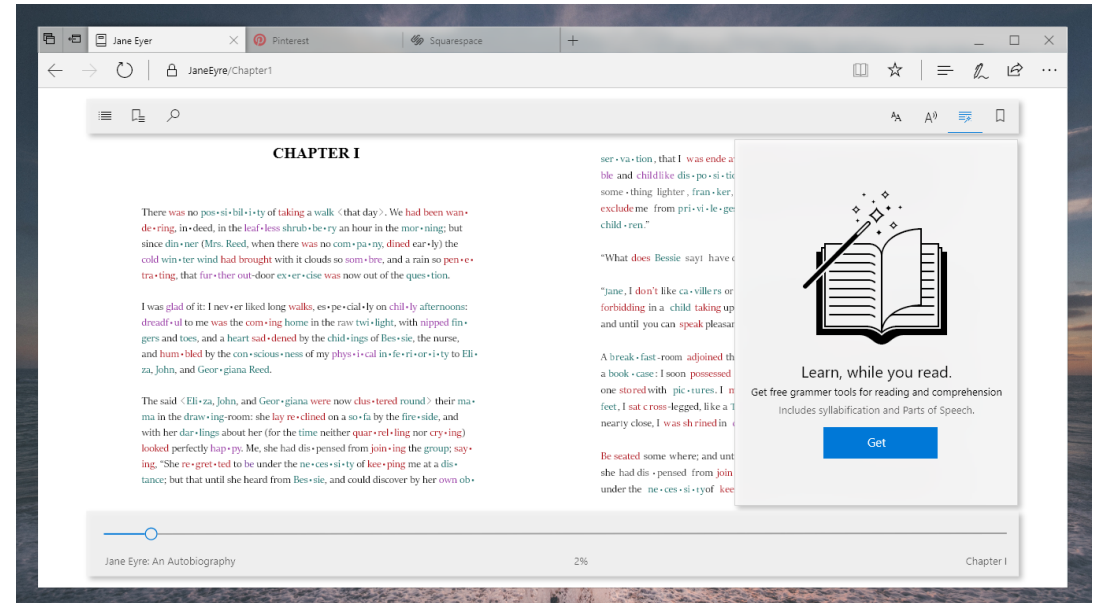
Office Online

*Immersive Reader is available in
Office 365, Office 2019 and Office Online*



Microsoft®
Office 2019

Edge, Windows 10



Microsoft Learning Tools Availability

Read Aloud & word/line highlighting	OneNote Desktop	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Word Desktop	Word Mac	Word iPad	Outlook Web	Outlook Desktop	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android	Office Lens	Edge browser
Spacing and Font Size	OneNote Desktop	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Word Desktop	Word Mac	Word iPad	Outlook Web	Outlook Desktop	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android	Office Lens	Edge browser
Page Colors	OneNote Desktop	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Word Desktop	Word Mac	Word iPad	Outlook Web	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android	Office Lens	Edge Browser	
Syllables	OneNote Desktop	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Word Desktop	Outlook Web	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android	Edge Browser				
Line Focus	OneNote Desktop	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Word Desktop	Outlook Web	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android	Edge Browser				
Parts of Speech	OneNote Desktop	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Outlook Web	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android	Edge Browser					
Translation	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Outlook Web	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android							
Picture Dictionary	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Online	Outlook Web	Teams	Flipgrid	Flipgrid iOS	Flipgrid Android							
Dictation	OneNote Desktop	OneNote App	OneNote Online	Word Desktop	Word Online	Outlook Desktop	PPT Desktop	Windows 10									
Math & Equations	OneNote Online	OneNote App	OneNote iOS	OneNote Mac	Word Desktop	Word Online	PPT Desktop										

Learning Tools Flyer for PD: <http://aka.ms/LearningToolsFlyer>

Windows Mixed Reality Immerse yourself in reality



Immersive Reader in Virtual Reality (Beta)

- Target audiences: ADHD, autism, dyslexia, visual impairments (*which includes Senior Citizens*)
- “VR with Purpose” – using VR in a new way for schools.
- We will be testing this out over the few months, researchers involved



Writing support with Dictation, Editor, and Word Prediction

Dictation

Microsoft Word window showing a document titled "Troy Waller (Adecco)". The ribbon includes the "Styles" group (with options like "BbCcDd", "AaBbCc", "AaBbCcD", "AaB", "Heading 1", "Heading 2", "Title") and the "Editing" group (with "Find", "Replace", "Select", and "Dictate" options). The document text is as follows:

Shepard Brandy. I sprayd
ith her. We set down
and played antil I had to
eating I went back
yed tag with her and I
11 times so she beat me.
s. Then we sang a song
nded to be a car but I was

Demo



Say the following phrases to add punctuation to your text:

Period

Comma

Question mark

Exclamation point

Exclamation mark

New line

New paragraph

Semicolon

Colon

Open quote

Close quote

Open quotes

Close quotes

Spelling check – Challenges for people with Dyslexia

Challenges

Traditional Office Spelling menu

1. Difficulty **perceiving the differences & determining which is correct**, in a list of similarly spelled words

2. Burdened by too many choices

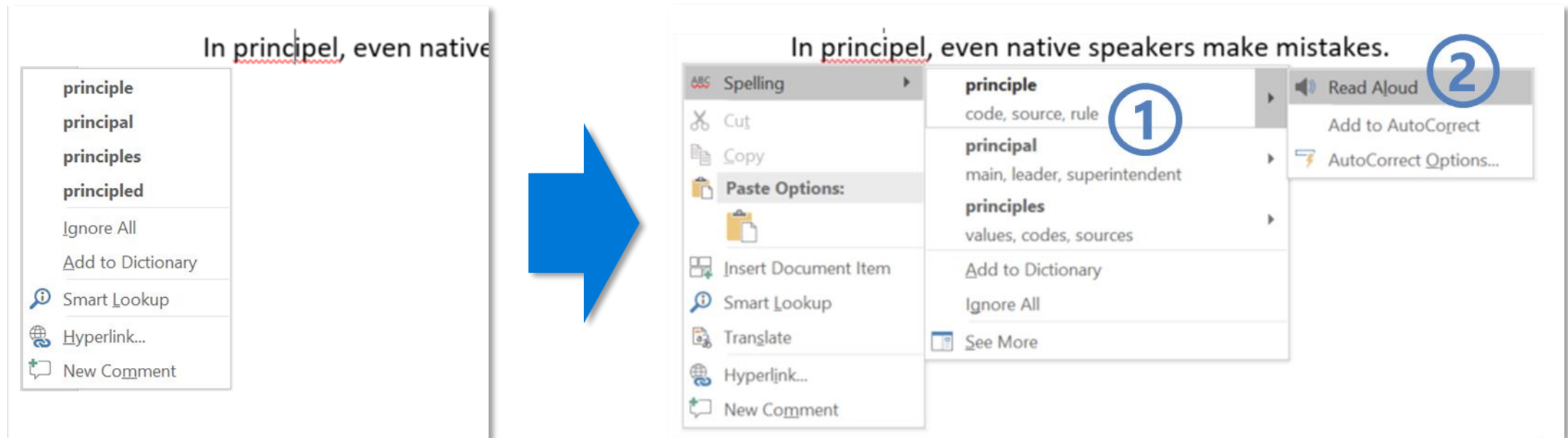
3. Unique spelling error patterns



1. No context or other cues to help choose the right word
2. Up to 5 different suggestions
3. Prone to show “No Suggestions” for high edit-distance errors

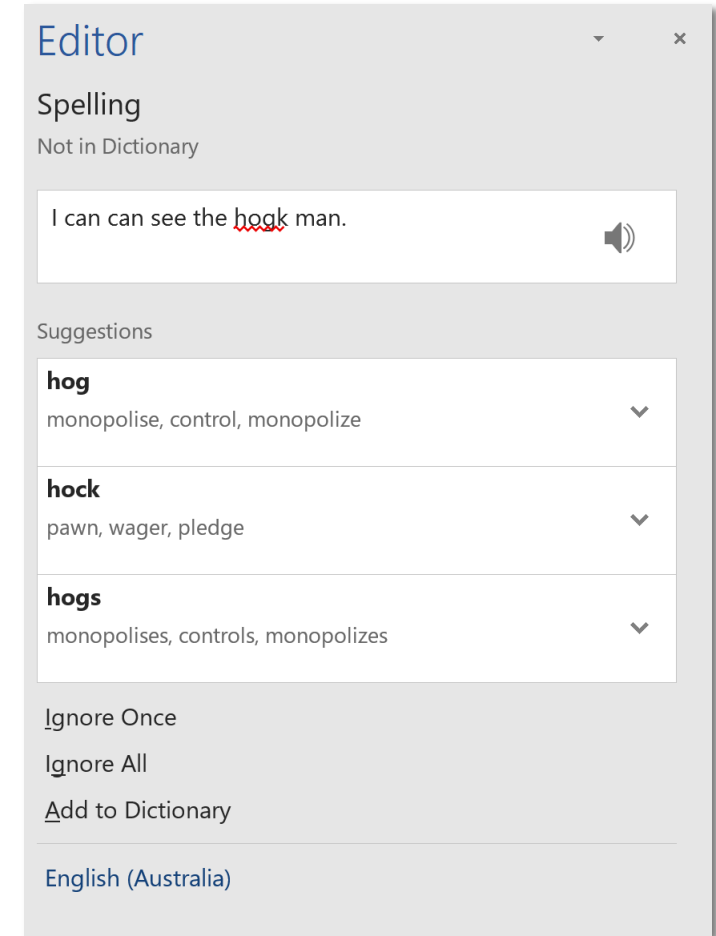
Editor – Inclusive design to benefit everyone

- Contextual cues help people identify the right choice
 1. **Synonyms** help **disambiguate** between similar-looking suggestions
 2. **Read Aloud** (of both suggestions & synonyms) aids **comprehension**
- Better suggestions and significantly reduced incidence of “No Suggestions”
- Improved compatibility with screen readers and other ATs



Editor Overview Pane: Find & Fix the issues you care about

1. A categorised Overview of writing enhancement opportunities
 - **Corrections** are issues you're strongly advised to fix
 - **Refinements** give optional advice on stylistic or situational matters
 - **Counters** and **Checkmarks** track progress & celebrate achievement
2. Draws attention to elements of Good Writing
 - Gives students a dashboard for **self-assessment**
 - Gives teachers a scorecard to drive **learning goal conversations**
 - Presents the **breadth and depth** of checks in a manageable way
3. Flexible Workflow choices let you spend time purposefully
 - Scrub the document one **Category at a time**
 - Fix in a recommended **sequence**: Spelling > Grammar > Refinements
 - Focus attention on Categories important for your **Writing Goals**



Early Feedback



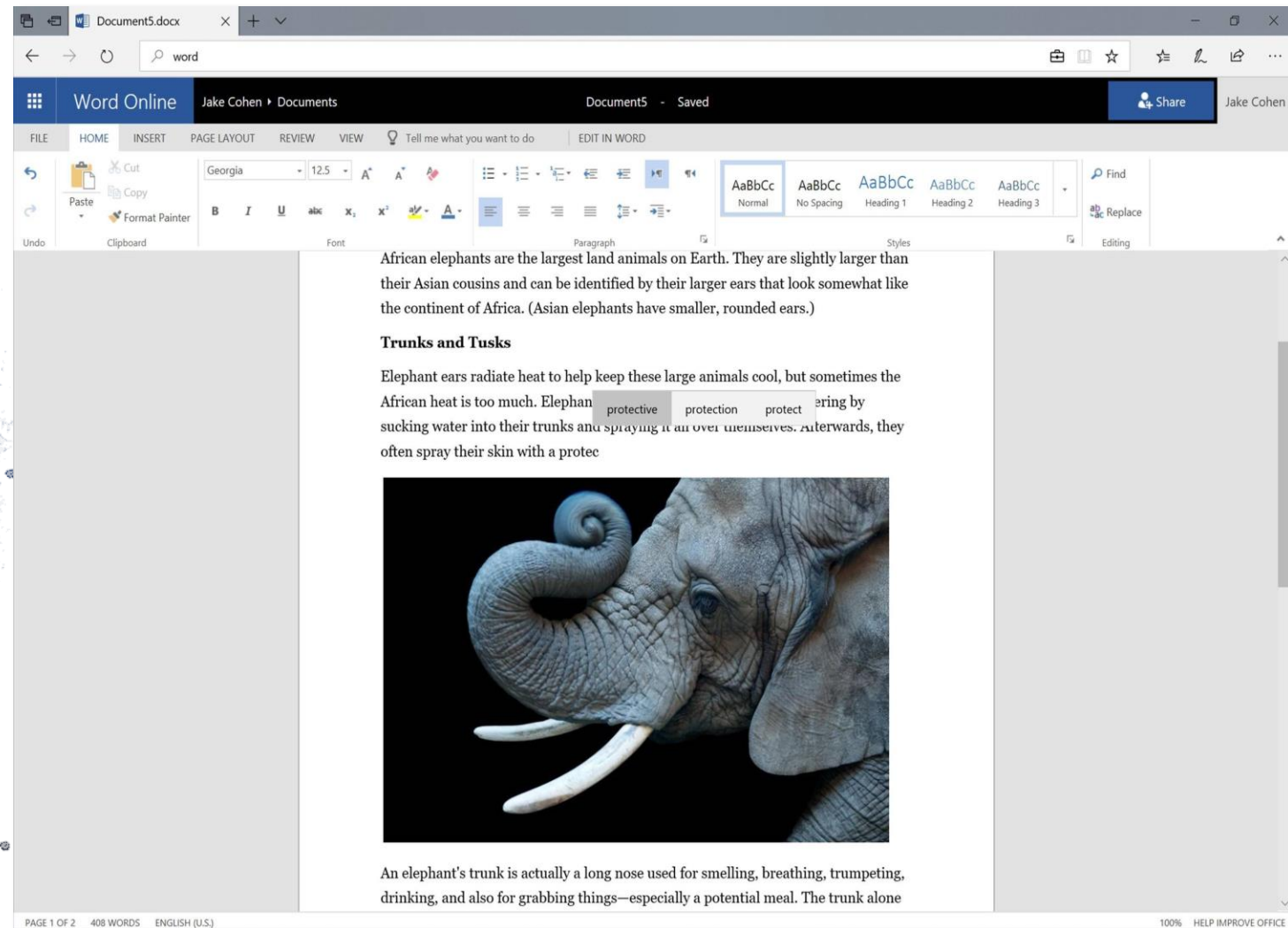
I was working with a **student** (with dyslexia) last week who was trying to put together his resume. About 10 minutes in, he felt so defeated because his **errors** felt like roadblocks. He **knew what he wanted to say**, he just **couldn't get the words close enough** and he wanted to give up.

This feature (Editor) opened a door for him, it allowed him to **focus on the content and ideas** he was trying to get down. The **options** and **synonyms** gave him **independence** to not have to ask, or have someone sit by him and coach him through the entire document.



Robin Lowell

Word Prediction for Windows 10



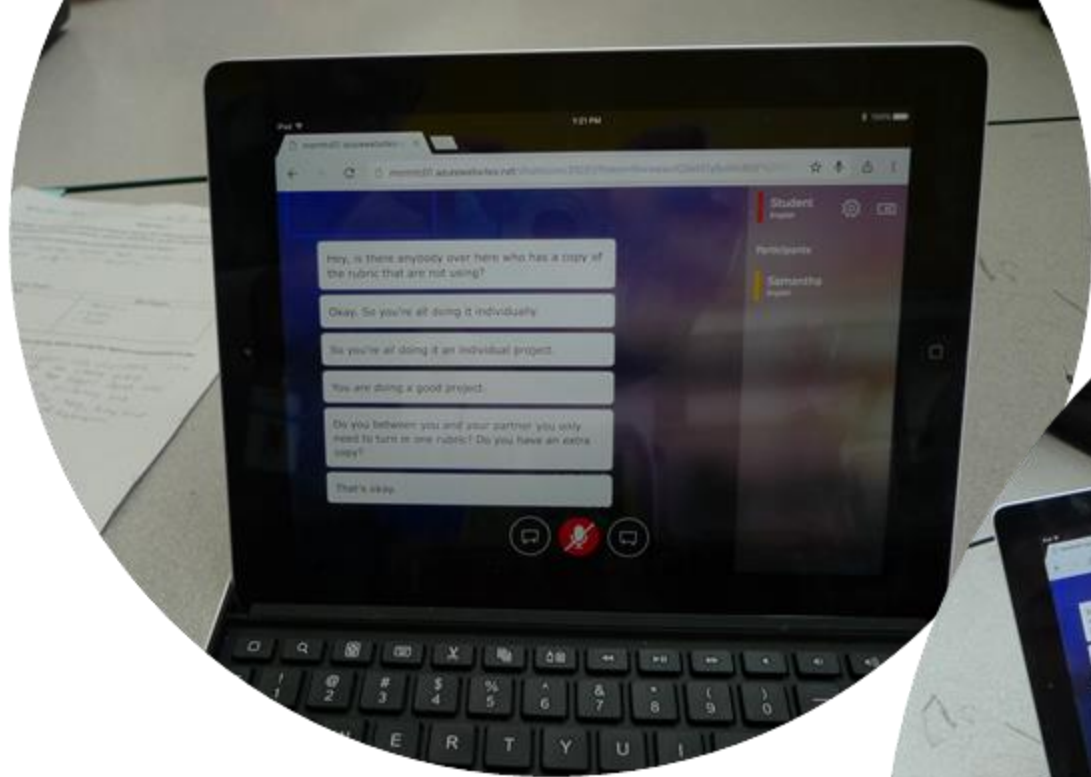


Word Prediction, Windows 10

Support for the deaf



it was a fantastic experience.



Microsoft Translator
translator.microsoft.com

Microsoft Translator

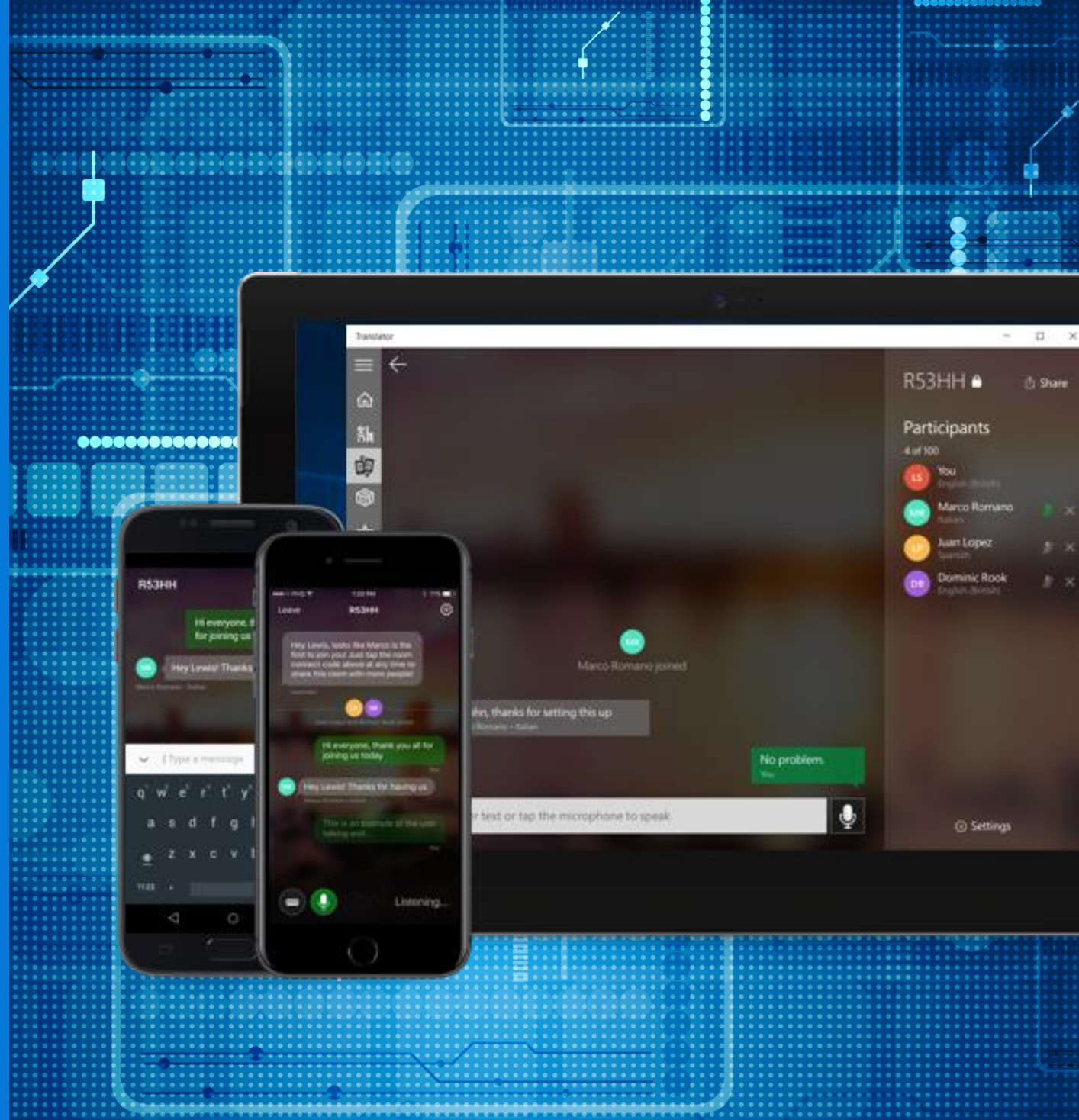
Smartphone apps for in-person, multi-device translation for two or more participants, speech or text

10 speech languages and 63 text languages

Up to 100 participants at the same time

Free Apps on iOS, Android, Windows UWP, PowerPoint and web.

<https://translator.microsoft.com/help/education/>



Windows 10 Accessibility



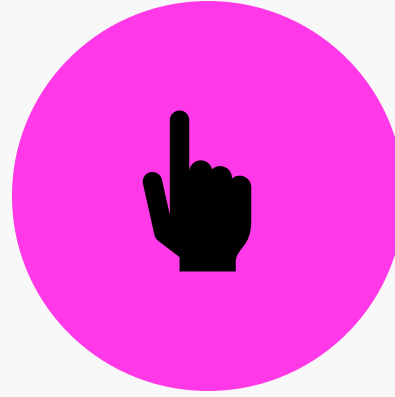
vision

Make your device easier to
see or use without a
screen.



hearing

Make your device easier to
hear or use without sound.



physical

Make your device easier to
use if you have limited
reach or strength.



cognition

Make it easier to focus and
get things done with
Windows.

www.microsoft.com/en-au/Accessibility/windows

Microsoft accessibility

There are no limits to what people can achieve when technology reflects the diversity of everyone who uses it.

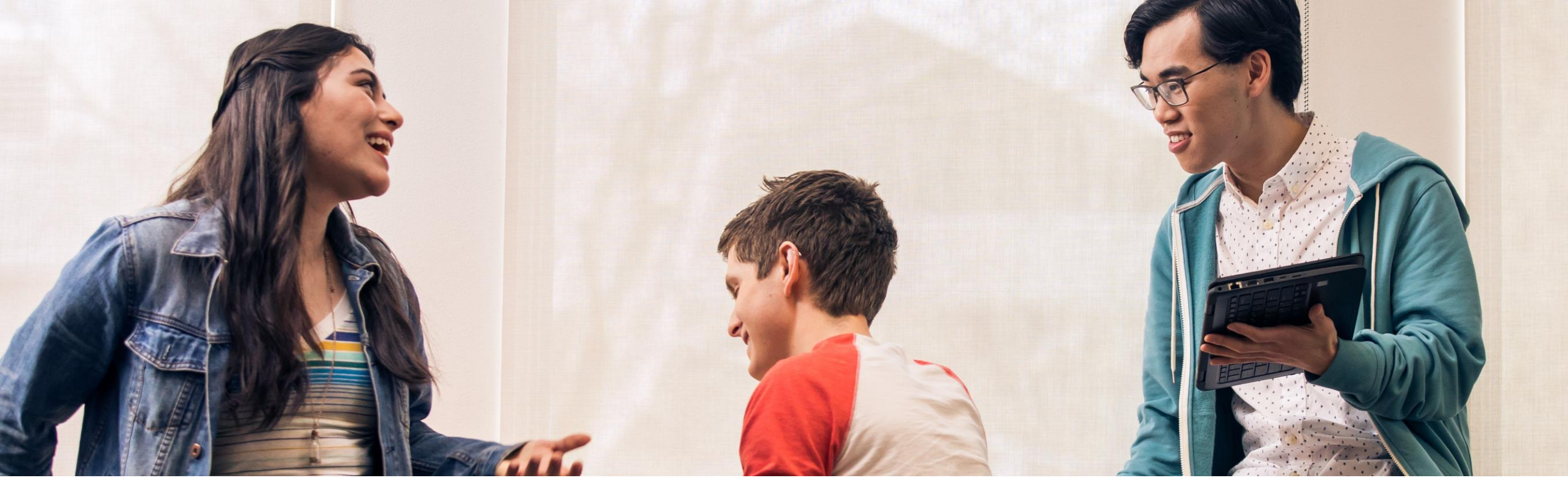


Connect with us in person today or anytime through our support and feedback channels.

Call the Disability Answer Desk:
aka.ms/AccessibilitySupport

Give suggestions in User voice:
aka.ms/AccessibilityFeedback

Message us on social media:
twitter.com/MSFTEnable

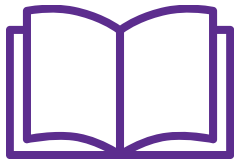


Get the Inclusive Classroom IT Deployment Guides

<http://aka.ms/InclusiveDeployment>

Freedom to explore possibilities

Built-in accessibility solutions from Microsoft help reduce the stigma of challenges and provide users with the tools they need to fully engage with content in powerful new ways.



Reading

Learning Tools and immersive reader technologies provide a critical link for students who need help accessing course content



Writing

Tools like Enhanced Dictation help make writing and in-class note taking easier and more efficient



Instruction

Automated alt text and Translator ensure that students can access the content that teachers are presenting

Empower every student with an inclusive classroom

POSTED

06/20/2018

DURATION

01:00



Microsoft



131



324



11



Complete this course to earn:



Points: 500

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Description

This course is designed for educators of all subject areas who want to empower students to utilize tools to unlock their full potential by addressing a diversity of needs.

- Practice creating an accessible and personalized experience in Windows 10 and Office 365
- Learn the tools and apps available to create accessible content
- Understand the importance of personalizing the learning device

Home > Courses and resources > Resources > Helpful links for Microsoft's inclusive classroom experiences

Helpful links for Microsoft's inclusive classroom experiences

POSTED

01/18/2019



7



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10



This page pulls together lots of tools and resources to help you get the most out of Microsoft's inclusive tools for the classroom.

Explore more: Microsoft Accessibility resources

5 free things to try today

[Communicate in new ways and collaborate seamlessly with Office 365](#)

[Engage your diverse audience by presenting with subtitles](#)

[Create assignments that are accessible by design](#)

Go paperless with [Office Lens](#) and [Seeing AI](#)

Encourage [independent reading](#) and [writing](#)

5 resources to bookmark and share

[Educator Training on Inclusive Content](#)

[Educator Training for Personalising Learning](#)

[Office 365 Accessibility Support Documentation](#)

[Answer Desk for Accessibility Support](#)

[Microsoft Accessibility Overview](#)

Achieving more with accessibility – Inclusion in Action series



[Andrew](#), a young boy who read for the first time with Learning Tools.



[Justin](#), a young man who uses Office 365 to communicate with the world.



[Veronica](#), a student with low vision who created a perfect Sway.



[Cameron](#), a university lecturer who believes it is an exciting time to be a blind person with Seeing AI.



[Jack](#), a teacher who shows students what is possible with Office 365 and Narrator.



[Steve](#), who navigated a medical crisis with OneNote to access printed documents.



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