DARLENE MCLENNAN: Welcome to the ADCET webinar on Inclusive Classrooms. Firstly, I’d like to pay respect to the traditional and original custodians of the land where I am today, the palawa people, and pay respect to the Elders past, present and emerging. I would also like to take the opportunity to acknowledge the Tasmanian Aboriginal community who have continued to maintain their identity, culture and Aboriginal rights. I'm Darlene McLennan, and I’m the Manager of the Australian Disability Clearing House on Education and Training - ADCET. We are excited to bring you this webinar on the Accessibility of Windows 10 and Office 365. Our presenter, Troy Weller, is a Learning Delivery Specialist from Microsoft. I had the pleasure of attending a workshop with Troy last year and I found the tips and tools he showcased was highly valuable. I hope you do also enjoy the presentation. Just a few of the housekeeping - to activate your closed caption, you need to click on the CC button, or closed caption button, on the toolbar. That is located either on the top or bottom of your screen. To increase the number of lines appearing in this caption box, you need to click on the small arrow on the top right-hand side of the caption box. If you have any technical difficulties, you are welcome to email us at [admin@adcet.edu.au](mailto:admin@adcet.edu.au). That’s [admin@adcet.edu.au](mailto:admin@adcet.edu.au). Troy is going to talk to us for around 50 or so minutes and then we will have 10 minutes for questions at the end. Throughout the presentation please feel free to enter your questions into the chat pod. You have the option to share your questions and comments with the entire audience and you can do this by selecting "All panelists and attendees". That way you can chat to each other or answer each other. At the end of Troy’s presentation I’ll ask the questions. So, now over to you, Troy. Thank you so much for joining us today.

TROY WELLER: Thanks so much. I’ll just turn on my video, at least for part of today. My name is Troy. I'm the Learning Delivery and Accessibility Specialist for Microsoft. I tend to play mostly in the southern states, being Tasmania, Victoria and South Australia, and a little bit in WA. But my other role, which is accessibility, tends to take me more national. So, yes, keep an eye out for face-to-face events as they come up. I originally called this workshop the inclusive classroom, but then when I found out it was going to be aimed at more sort of university-level, maybe higher secondary, even people in the workforce, I thought I’d just rename it a little bit, being “Accessibility in Office 365 and Windows 10”. I very much do play in the education space, though. So, I don't think I’m going to be quite able to get away from showing you how this could be used in your classroom, whether you're a lecturer or a teacher or whatever. But I hope a lot of it is going to be adaptable for you nevertheless. So, I'm just going to skip ahead now and just show you. This is how you connect with me. So, I'm available on LinkedIn. I’m also available on Twitter and I’m available on Facebook as well. ADCET will certainly make these slides available to you. So, don’t feel you need to jot any of that down. If you're on any of these platforms, it's a nice way to stay in touch with me. What I tend to do is do a lot of the heavy lifting and the legwork for finding out about the latest accessibility features within the Microsoft platform. Sometimes there's updates and things just slip through to the catcher, to the keeper, and we tend to miss them. What I do is I dig in, I find what’s going on and then I just publish those onto my Twitter feed and my LinkedIn feed and Facebook feed. It’s just a nice way for you to stay in touch without having to do all the work. This is an oldie but a goodie. I know that probably most of you in this space have certainly seen this cartoon before. When I go around, I'm often presenting to teachers, principals, et cetera. I like to really highlight the difference between equality and equity. It is funny looking at this, because I'd always looked at it and seen that little boy. For those of you that can't see it, there’s three people standing on blocks, on wooden blocks, watching a baseball game. There’s a taller man, a medium-sized boy and a short little boy. The short little boy can’t see the game because the fence is too high; it’s blocking his way. But they are each on a box. Then in the next frame we see that the taller man has given up his box to the little boy and now the little boy is standing on two boxes and can see and that’s the difference between equality, where everyone has a box, and equity, where someone gives up their box for everybody else. It was interesting that when I was looking at this, I've always looked at it and just seen the little boy on the two. And I know you are probably going to think, gosh, the big part of the messaging is the fact that the man has actually given up his box, which is pretty cool. I guess the thing for us though at Microsoft is that our tools are for everyone. Nobody needs miss out so that others can have a more equitable experience. It is actually more about switching on subscriptions and seeing that this stuff is made available and native to our tools. What you can see now is a picture of Satya Nadella. He’s our CEO. Since he came into the organisation, he has really moved the Microsoft culture to really strongly value equity, inclusion. He has put a huge emphasis on inclusive design in terms of Microsoft’s tools and features, et cetera. But the organisation as a whole has some great inclusive hiring practices and making our workplaces more equitable and inclusive places. But for you as an end user for something like Microsoft Tools, you can see there that our mission statement now is that we want to empower every person and every organisation. And we have highlighted there “every person” because we want every person to be able to achieve more. I guess it’s hard for you as someone who is outside the organisation to see that it’s legitimate and it’s genuine, but as someone who is inside the organisation I'm quite proud of the way that we have moved into this space. Looking here at this slide showing how Microsoft has positioned itself in some different areas right across what we do in the accessible space. We are going to really focus on learning today. There is definitely some stuff in the visual and hearing as well. And also in neurodiversity. But as I said, I play a lot in the education space. I really wanted to show you the way that these things could be used to support students perhaps that you’re teaching, or even yourself if you’re needing that little bit of extra help. Our inclusive classroom message is in these three areas. The first is reading support. So, a lot of what we have helps people read. And we look at something like reading support and we see from a teacher's perspective, anyway, which is where I come from - you know, it sounds very education focused, but actually helping people read in the workplace or helping people read in their day-to-day lives as well. It's not just in the education space. Writing support as well. We have some great tools and great features to support you in your writing. Then the last one is communication, which is some of what we're doing in the space to support people in EAL, et cetera. Yes, we will go through and have a look at those and hopefully some of these will grab your attention. So, talking about reading support, we have a tool that won a competition that we have at Microsoft. In 2015, Microsoft employees walked away from their jobs for a week or two and engaged in what’s called Hackathon. Now that happens every year, but in 2015 a group of developers, programmers, people from other parts of the business decided that they were going to focus on dyslexia. So, they ended up winning the competition in spite of all the great ideas that came out through that week or two. And theirs won. But it was so powerful and the potential was so much there that it’s now been added into the Microsoft stack of tools and resources, and it’s native to Office now. So, that's what we're going to spend most of our time on today. I’m going to take you through learning tools, also called Immersive Reader, and show you some of the great things that it can do. Depending on how we go for time, hopefully we can go beyond that as well. What I'm going to do now is I'm actually going to jump out of my slideshow. Okay, so what we've got here is - I'm going to show it to you in OneNote. But please know that this is available - what we’re about to see Learning Tools Immersive Reader - is available in Word Online, in Outlook, in OneNote and OneNote Online, and there’s also a version in the desktop version of Word. If you have a look at this piece of text here, you can pretty much see that in terms of the size and the spacing and some of the language and bits and pieces, it’s really quite a difficult piece of text to navigate. So what we did was we actually built this tool called Immersive Reader. The idea of this is to increase independence and decrease stigma. In other words, this isn't about necessarily someone sitting with a child or sitting with someone else and supporting them by using this technology. It's actually about the end user using it by themselves. I don't know if you can see my screen. I have this little button here, Immersive Reader, and that’s the way it looks in OneNote. Again, it’s available for you in OneNote Online and Word Online but we’ll talk about how to access it later. The first thing we notice when we push this "Immersive Reader" button - now are you able to see that, Darlene?

DARLENE: Yes, I am.

TROY: Okay, because I seem to have lost my Zoom menu there. The first thing you notice is it strips away all of the distractions of the app. So are you seeing a white screen with black text, Darlene?

DARLENE: Yes.

TROY: Great. It strips away all the distractions of the app. It has thrown us onto a white background. All of those buttons, all of those colours, all of the text, et cetera, has been pulled away from the text that we’re trying to work with. The cool thing about Immersive Reader is that, when we set this up on our machine, regardless of the tool that we're in, whether in Word or Outlook, et cetera, it will remember these settings for us, which is nice. That means no matter what the original text looks like, it’s always going to look like how you want it to look and how you’ve set it to look when you click on the Immersive Reader button. You can see here I’ve got three icons. I’ve got Text Preferences. I’ve got Grammar Options and I’ve got Reading Preferences. Then down here I’ve got a Play button and I’ve also got Voice Settings as well. Okay? So, what I normally do when I work with teachers is I elicit from them the strategies that they would use with kids. But if we're talking about this in maybe an older context, instead I might think about what you would do or ask you to think about what you would do if you came upon a piece of text that you're struggling with. What we find is that people will often come up with the same solutions that we built into this tool. When I click on “text preferences”, the first thing I can do is I can increase and decrease the size of the text according to what is relevant to me. So in this case I'm going to pop it to about there. I can also increase the spacing. For something like dyslexia, increasing the text size and increasing the spacing is crucial, but of course those solutions there are going to extend beyond dyslexia. But you can see there that, when I click on the increase or decrease spacing, I get spacing between the letters, between the words and also between the lines. That could be accentuated even more by increasing the text size. We’ve got three fonts. We have Calibri, Sitka and Comic Sans. We put Comic Sans in there mainly because it mirrors handwriting, and that just gives it a bit of reach into sort of more mainstream learning environments. But for most people they’re going to want a plain font with good spacing between the letters, and, as I said, between the words and lines. You’ve also got your ability to change your themes. Depending on the light or depending on what’s going to be better for your eyes, et cetera, I know that dark mode is the absolute latest fad. Everything is giving us dark mode. So you have dark mode built-in. You’ve got sepia. You’ve got the ability to throw it on colours, et cetera. Whatever is going to be better for your eyes. But where it gets really cool is when we click the "Play" button. Apologies. I am going to see if we can get it working here. I’m afraid that the reason why this is not working is because we're coming through Zoom and, obviously, there's some sort of compatibility issue there. Nevertheless, what happens there is that this will actually read to us in an Australian accent. Okay? So, it will read a word at a time. The Pacific Northwest, Tree, Octopus, et cetera. Even getting things like here, ‘Octopus paxarbolis’ - it will even read those scientific technical terms for us, which is really good. And it will read this in an Aussie accent. We can increase and decrease the voice speed. You will find that if you yourself use a screen reader you would know that you actually like it probably to be quite fast, because you're wanting to process that in the same rate that other people read. So, yes, you can slow it down, but more importantly you can speed it up. The other thing that we can do is, when we click on some of these words, instead of having the entire text read to us, when we click on a word, two things happen here. The first is we get a picture dictionary, which is actually going to prompt us. So, we're looking at something here in education we call scaffolding. So, rather than doing all the work it’s just going to, as we saw in that picture, just give us that box to lift us up just a little bit as far as we actually need. So, when we click on some of these words, as you see, we get the picture, but I could also listen to the word. So, if I click on something like "west", or something like "north", or even something like "peninsula". Peninsula does not have a word there, but I click on "habitat", there we go, we get the picture as well. What we have seen there is we have seen the ability to increase and decrease the text size, the spacing, the font, et cetera, and then we’re also getting the picture dictionary. Now, if we want to reduce distraction even further, we can throw in the line focus. That way when it starts to play, it will move through line by line. Okay? The other thing too that’s nice is - I'm just going to turn that line focus off. The other thing, too, that is nice is this ability to actually break it down into syllables. When we're talking about people with dyslexia, for example, again, we’re looking to give them that little nudge but not necessarily do everything for them. Again, that's scaffolding. There you can see it’s broken the word "Pacific" into syllables, which is going to help us decode. Especially for children learning to read, not just children with dyslexia, all learners, that’s a really good plus. Again, remembering that all these icons are here, and I’m not having to go out into the settings of Windows 10 or the settings of OneNote or the settings of my browser to change these. It’s right there for me all in the one location. You probably saw when I clicked over this before, we’ve also got a translate feature. Again, I’m really sorry about the sound not being there, which is a real shame. But when we're talking about EAL kids, so these are kids who either are fresh to the country or maybe have grown up in a house where a language other than English is being spoken as the dominant language. Sometimes those kids need that little bit of support too. When I say "kids", again, I told you I was going to play in the education space, but definitely looking at the EAL students in universities and TAFE colleges, for example. So, when they get to a word that they may not know, they can click on it, still get the ability to see that picture and hear the word. However, they can also do a translate into their own language. Let’s go down to something like "Japanese". Okay? Now when I click on my word, I still get the picture dictionary and I get to hear the word in English. And now it’s working, how’s that. And then I also get to hear the word in Japanese. Or a word like the "Pacific", and in Japanese...

DARLENE: We’re still not getting the sound.

TROY: You’re not hearing the sound? Well I am at this end. Okay. So, it’s reading it to us in Japanese. What we can do as well - we can actually translate that entire document into Japanese. So, for the students that need that really high level of support, they're able to hear that document read to them … in Japanese. You’ll have to trust me. She’s reading in Japanese. What we have now, though, is we are living in an age where it’s probably been a little while maybe since you've looked at a translator app. The Microsoft translator app has got a very low level of error rate. So it’s actually a very good translation. When I walk around the schools and share this, drive around to schools and share this, they usually give me somewhere between a 70 to 100% accuracy. That is anecdotally. That is really quite high. We are also living in an age now where just last year was the first time that the AI, the translation AI, and it was a Microsoft AI, beat the human in the error rate from English to Mandarin and Mandarin to English. So, we are living in an age now where the machines are doing a better job translating than the humans. Just turning that off for a moment, I do also want to show you the ability to highlight parts of speech. I can highlight my nouns and I can change the colours of these as well. I can highlight the verbs, the adjectives, the adverbs and then I could also show the labels for people that have problems distinguishing colour. When we translate that into something like Japanese, you can see that the Japanese language, we still have the ability to differentiate the nouns, the verbs, the adjectives, et cetera. It depends on the language as to what is able to be done. For example, if I was to go into something like Chinese, which is a bit of a favourite, you will see that when I translate I lose the parts of speech. But these are constantly being added to and constantly being updated. So, it’s just a matter of time before you’ll be able to see that. That's Learning Tools or Immersive Reader, and how that works inside OneNote or working with a piece of text that you may be wanting to translate. That's all well and good for computers, you may say. Sure, if we're inside a computer, we have got some text inside there. That's great, but what am I supposed to do with things that are outside my computer? So in the real world, in the analogue world? What I’m going to do is, I’m going to show you a video of a tool called Office Lens. Office Lens is a free app that you can download from the app store and the Play Store. It uses what’s called optical character recognition, which means that when it takes a photograph of text, it actually recognises the text and reads it and builds that into the image. What Office Lens does is, it is a - first of all a whiteboard app in the sense that you can actually grab pictures of whiteboards. So, if you’re unable to keep up with what’s going on in the meeting or in class you can grab it. It will automatically adjust that for you and then it will keep a copy of that and you can drop it into OneNote, into Word, into PowerPoint et cetera and this all happens from your iPhone, your Android phone or you app, excuse me, your iPad or your PC. What we’ve got there is the ability to take a photograph of text; we’re talking about the OCR, optical character recognition. It will actually grab a photograph and then you can be typing immediately from that text into a document file. What’s great about this - and I’m just going to jump out of that and take you back to my - I’m just going to take you back and show you here. What we’ve done is we’ve taken a photograph with Office Lens. By taking a photograph with that tool, we're actually able to - if I was to click here on "Immersive Reader", you can see I've already got my settings done, et cetera, and I've got now the ability to listen to that text and -

DARLENE: The challenge is, we're not hearing it. For those who are screen reader users it’s just going through the words.

TROY: Yes. So, what it’s doing there is it’s reading. So, basically from a photograph of text we're able to take a photograph and then we can have that full Immersive Reader experience from a photograph of text. What’s great is that inside your PC, inside your iPad, Android phone and iPhone, is that Immersive Reader is now built into those tools as well. So whilst you can drop that picture of that text into OneNote, you can also have that Immersive Reader experience through the actual device that captured that image as well. So, we're not having to wait around and move it between apps, et cetera. You can see there that basically I'm not locked out of analogue text anymore. I can be using my device, taking a photograph of that and having that full Immersive Reader experience, which is great. Okay, so I'm going to pop back into my presentation. Let me know that you guys can see that.

DARLENE: Yes, all good.

TROY: Great. This quote here is a nice one because it basically shows that, regardless of your skill level, Immersive Reader is able to improve your comprehension. So, we're not just talking about people that are challenged by text, although it's certainly able to support them, but even for people that maybe are trying to access text where the vocabulary is foreign to them. And I don’t just mean a foreign language, I mean just in a different world that they are used to mixing. There may be a younger person trying to access a text that is aimed at higher level readers, et cetera. So, it will improve your comprehension. Okay, so Office Lens, we've gone through that. Again, I will let you know that Office Lens, as I said, is an app for your PC. You can go to the Windows store and download that. But it is available in the app store for your Apple device and it’s in the Play Store for your Google device. And because it syncs to your Office 365 account, you are able to drop those into different tools. So, you can take a photograph of text, you can drop it into OneNote, into Word, et cetera, and get that whole Immersive Reader experience. Okay, I think another thing that’s really important for us to note is the fact that this is native to Office. And these tools are native to Office. Now, it’s not at this stage in every office app, but that is certainly changing because it's constantly being rolled out to more and more applications and then the features inside those applications are increasing more and more until we are getting parity across devices and platforms as well. But I think what’s really important is to remember that these tools are native to Office, which means that you can take these with you into the workforce. Whether you're graduating from school or graduating from university, you can still take these tools with you into the next phase of your life. Because these are native to Office and, let’s face it, Office is ubiquitous in the work force, at university and schools et cetera. So, where do we get this? First of all, we get Immersive Reader through Office 365. Office 365 is a subscription service. However, I promise I'm not trying to sell you anything. Instead, I want to let you know that you will find that most schools, whether they're aware of it or not, do in fact have an Office 365 subscription for their students. So, every one of your large education departments, most of your universities, et cetera, have got this. It’s just a matter of knocking on the right doors in your organisation and finding out, “Do we have Office 365 and how do we access it?” You can, of course, buy a subscription for Office 365 retail. So, go down to Harvey Norman or JB or Kmart. You can buy them there. But before you do that, really try to make sure that you've exhausted your organisation and find out whether it is or isn't available to you. You've also got Office Online. That’s a free service for everybody. You get an online version of Word, PowerPoint, Excel, Outlook, et cetera. In Word and in OneNote Online this is available to you and this is free for everybody. That is accessible at [office.com](http://office.com/). Again, [office.com](http://office.com/). But when you come to [office.com](http://office.com/) it’s going to ask you to sign in. If you try clicking on the work or school button, use your work or school email address, you’ll find out whether you have actually got Office 365. If you don't, you can set up a free Microsoft account very quickly and you will have access to Office Online. The other thing, of course, is you can buy a subscription to Office 2019, but we really want to make sure that you’ve got the connection between Office Online and Office 2019, so that’s really going to be there in 365. Okay. I hope you don't feel that was too salesy, because I am trying to let you know that for most of us it’s accessible and we don't have to pay a cent. When we look at something like Edge, which is our browser, a lot of teachers come to me and they say, “Troy, that’s all well and good, but what am I going to do about the internet? Most of my kids are doing their research through the Internet”, et cetera. What we have done is we have built this into - sorry, Mac users. This is only built into Windows 10 at the moment. This is what we call Edge, which is the new browser. It’s a blue E. You can see it down here. It’s a darker blue E than Internet Explorer. I suggest that you have a play with your Windows machine and try and get that running. If you're not seeing these features, it's probably because you haven't updated to the more recent builds of Windows 10. Just make sure that you get in and do that. What I've done is - see this little reading view button up here? That’s what we're going to press in a moment. What I've done is I’ve gone to the National Geographic kids' website, because it’s a good example. Have a look at what happens when I scroll down into this article, there are graphics, while on some websites there are going to be ads and links, and there’s just so much going on on this page, that for some of the kids that I teach or for some of the people that maybe you work with or maybe even for yourself, there's just too much going on on that page to help us to focus. Alright, there's just too many distractions. What we have done is we’ve got this little button up here called "Reading View". When I click on “Reading View” the first thing that you notice - I just going to try and mute that - the first thing that you notice is that it’s already stripped away, again, a lot of the distractions. Now, I can maximise my screen if I want by clicking on this. Now it has actually removed a lot of the distractions of the app as well. But look what happens when I scroll through slowly. You can see here - and I’ve set this earlier in terms of the way that I like it. But I can change my text size and I can change the theme as well. Over here in "Learning Tools", I've got the ability to increase and decrease the text spacing, change the theme, et cetera. I can highlight my parts of speech, my syllables and I can also have a line focus. So we've built that Immersive Reader experience inside Edge, which means that when students hit on a webpage, instead of being locked out or distracted by a lot of these graphics and bits and pieces, they're actually able to have that experience. I know you guys are not going to be able to hear the “read aloud”, but right now that’s reading to me in an Aussie accent. I can speed that up, I can slow it down and I can also have multiple accents as well. So, that's in Edge for Windows 10. Again, free as part of your Windows 10 experience. I’ll just reduce that. And I just click on that button and it brings me back to the original. Again, Edge, click on the Reading View button and that will do that for you. I would like to point out to you that sometimes what happens with some websites is they don't want you to strip away their ads. So, they have actually got software that will disable some of these features. So just keep that in mind, but you will find that most of the websites will access that for you. I talked before about parity of tools and platforms, et cetera. We've got the Microsoft Learning Tools availability slide here which shows all the different platforms and different tools and then the features that are available in those tools. You can see that really OneNote is our hero in terms of learning tools and Immersive Reader, but it’s certainly got a presence in some of these other tools as well. So we’re going to make these slides available to you so that you’ll know, “Why isn't this happening on my device?”, because perhaps that device and that platform hasn't had all the features rolled out yet, but watch this space. The other thing that we’re doing which is kind of exciting is we have actually moved into virtual reality with the learning tool space. You may ask why on earth would you want to put Immersive Reader and accessibility tools into VR and that’s because it’s an absolute reduction of distraction. What we're seeing is kids with ADD/ADHD, autism, and also people with a visual impairment - so we've been working with senior citizens around people that could not read in years are all of a sudden on a virtual reality headset able to read things like a book. But it’s the size of a billboard for them inside virtual reality. So, we're calling that VR with Purpose. It is certainly being developed at the moment. It is available now inside learning tools. If you hunt around you will find the little button. It is down towards the bottom, the bottom right, so you can use it. But in terms of it being feature-rich, you need to just watch this space for what's happening in that space. So, writing support with Dictation, Editor and Word Prediction. I'm just looking at my time here. We’re coming to the end of our time so I’m just going to quickly take you through Dictation. I realise you're probably going to be able to see that, which is good. But hearing is going to be a bit difficult. What I’ve done is I've just opened up Word. This is regular old Word, although this has the latest updates. So I’m not in Word 2016. To see this happening you need to be in Word for Office 365 or Word for 2019, for Office 2019. You can see over here there’s a little “dictate” button. I can dictate in multiple languages. Well, “one” can dictate in multiple languages. I can dictate in maybe two. If I click here and then click on my "Dictate" button - now I’m going to talk to my machine and see if this is going to come up for you full stop new line I can see that it’s working already, which is great it would have been really terrible if it wasn't picking that up today full stop new line. I like when I use Dictate because it’s fun comma it’s exciting comma and it’s really good exclamation point. Okay, now you’re probably looking at that and thinking, "What's happening? It's not working.” But it’s just the AI. Again, we have to be connected to the internet and we have to give that a little bit of time to catch up, depending on the speed of the network. Now, what’s great about doing that in Word, can you see it's already giving me grammar support over here? It picked up the “um”. Usually it doesn't. It will often hear that and realise that’s not something that we want in there. But I'm actually teaching the AI by changing that text there now. The more I use this, the more it gets to know my voice and also I get to know its limitations, et cetera. What's cool about this, though, is the ability to add your own punctuation as you go. When we look into something like Microsoft Translator, it auto does the punctuation. But you can see here that in Office you need to add your punctuation in yourself. I already use this. People send me questions and I will actually speak to the questions. What’s nice is that this is now built into Outlook. That means we can listen to our emails and we can also dictate our emails back to people as well. So, for those of you that are challenged by text and challenged by keyboard, this is something that’s now native to Office and built-in. Is it going to replace some of your high-capability screen readers and dictation software? Maybe not at this stage. Maybe, it depends on what level of support you need so I encourage you to go in and explore that. But it will certainly add to what you have, and there’s no reason why you can't be using multiple levels of support. When we look at something like spellcheck, you can see here that, over here, if you were dyslexic and you right click on a button and you get this dropdown, these suggestions here are largely useless. What I've got over here, you can see these points here - I have difficulty perceiving the differences and determining which is correct; I'm burdened by too many choices and sometimes unique spelling error patterns are just not able to be accessed by me or decoded by me. So what we have done with Editor inside Word - and this is now sitting in PowerPoint as well and also in Outlook, so it will work for your emails - is the ability to right click no more like this, but instead now like this. When I right click, I get a drop-down of these words. And underneath are synonyms. But what is really cool and I guess you guys are not going to be able to hear this, but I can click on “Read Aloud” and then that will actually read not only the word but it will also read the synonyms so that I can hear what it is that I'm looking for and I click the one that I’m looking for, and on I go. So, that’s now part of Editor. The other thing that we’ve built into Editor is the overview pane. So what we can do, now when I right click on a word that I'm struggling with, I can do it inside the text, but that might be too text heavy. [phone rings in background] Okay, just to point out, that wasn't my phone (laughing). What we can do now is bring that outside the text through Editor, which is what used to be called spellcheck. You can see what is has done its actually pulled the entire sentence out over here. Can you guys see my mouse? It has actually pulled the entire sentence out and I can listen to that sentence. I can listen to the error in its context. It will also pull down those suggestions and the synonyms and when I click on the button I can also listen to those as well. All right? I can also set it to, instead of moving linear through a text, I can actually set it to do my spelling first, then my grammar, then my things like formal language and conciseness and things like that. Some of those may not be relevant to you, so you can turn them off. What is really nice about that is it can keep me focused by dealing first with my spelling and then with my grammar, et cetera, et cetera, which is really nice. If you are on one of the newer versions of Word, please jump in and have a look at that and see if that’s going to give you the support that you need. I will give you these slides, again to let you have a look at some of the feedback that we've got. Another thing that’s now come into Windows 10 is word prediction. Just like you use on some of your mobile devices, you can set this inside Windows 10 via the settings and it works with the Aussie language. I’m down here in Hardware keyboard, Show text suggestions as I type, and then right across Windows 10, when you start to type, it will actually bring you a handful of suggestions, which for some people is going to be a game changer. So I'd recommend that you get in and have a bit of a play with that as well. We're coming up on the last of our time. What I'm going to do now, though, is I'm going to share a video with you. Now the good thing about this video is it is captioned so if you don't mind not having any sound, I will make sure the captions are on, and I’d really like you to have a look at what Translator can do for the deaf and what it is already doing for the deaf, and then beyond that we’ll start to answer some questions.

DARLENE: I’m sorry Troy, just before you start, just for the screen reader users, we will send a transcript of this to you.

[Video with captions]

TROY: So, you could see that what was happening there in that video was that they still had signing, but this was an added support to that. So, we've seen these tools not as replacements for existing support, but as additions. So I'm looking at the time now, it's now 10 to, so I will stop. But I do encourage you to go through - you can see on the screen here - I do encourage you to go back in and have a look through my slides. There's some videos. There’s some online courses for you to explore. There's also the ability for you to hand links on to your IT department at your school, your organisation to help them to help you by deploying this software and bits and pieces for you. Again, I want to thank you for paying attention. I'm sorry about the tech issues we had there for the moment, but we seem to have gotten through it, and now I would like to field some questions, if I may.

DARLENE: Great. Thanks, Troy. The joys of technology. And thank you everybody for bearing with my reading skills. Very challenged in that moment. If people have got some questions for Troy, please feel free to add them to the chat pod. One of the things - Troy did have a lot more to share with us, but because of the limited time, if people just want to write in the chat pod if they’d be interested to hear more from Troy in the future, we might be able to talk him into meeting with us again. One of the questions, are there any specific programs to develop working memory for those students with recall difficulties?

TROY: To be honest, I couldn't tell you that, whether those programs exist. I'm sure they do, but certainly not in our suite. It's not something that we're focused on. That being said, though, there are some great courses on [education.microsoft.com](http://education.microsoft.com/), some great accessibility and inclusivity courses which talk about utilising some of the tools to help students with things, some of those cognitive challenges with executive function and things like that. Those courses are in there as well. This is where I would suggest that you connect with other people in the Microsoft accessibility sphere. We have staff, of course Microsoft staff, that live in this space but we also have a lot of people that utilise our tools. So maybe connecting with those people would be a really good thing and find out how people are using that. It’s just a little bit beyond my skillset to answer that one sorry.

DARLENE: That’s fine. Someone’s just talked about that at their local primary school that people BYO their own device, which are often typically Android and iPads. Will Edge be coming to Android, OS and iOS devices?

TROY: Edge already exists on iOS. However, the Immersive Reader learning tools functions aren’t there. I would imagine that will come in time. I'm not privy to the developers and the road maps on that kind of stuff. But, yes, just give it time. However, I will point out that Learning Tools is available in iPad and iOS, inside OneNote and of course through the browser through Office Online.

DARLENE: With the voice recognition, how good or how fast does it take to kind of recognise most voices? Is it like kind of the Train the Dragon or is it more…?

TROY: Yeah, so it’s very different software and it’s an artificial intelligence. So it’s not that you need to train it in the sense that you do something like Dragon, but a better way of saying it is you do need to develop a relationship with the AI. Then the AI gets to know you and you get to know it. So, over a period of time, it will start to recognise your voice better than it did at the start of the relationship. But there's no systematic procedure that you need to go through to train the device. Instead you just start using it and it gets better.

DARLENE: Why is Learning Tools only available in OneNote Online version and not the OneNote application?

TROY: So, it is available in OneNote for Windows 10. It is available as a download for Office 2016. As I said, it is available in the app and the iPad and also available for the Mac. So, yes, it is available. Maybe you just need to update your version of OneNote.

DARLENE: It was a challenge. A few people that were online were saying they're still with Windows 2016 and so forth. We're very fortunate here at the University of Tasmania, we do have 365 and all students actually have a number of licences for 365 that they can use themselves and staff have access to a range of licences for 365 which certainly makes it difficult. So there’s another question. It seems that the focus on dyslexia has been quite well covered. Will Microsoft choose another topic to focus on in the future?

TROY: Yes, I think so. Again, I'm sort of lower down the food chain. I'm not privy to some of the future direction, but that being said I know that the culture of the organisation is very much about inclusivity, equity and accessibility. So I truly believe watch this space; it’s only going to grow. If you were to compare the accessibility features in something like Windows 8 compared to Windows 10, you will see that the list is huge in Windows 10. So we're already seeing a huge growth in that. So, yeah, definitely watch this space.

DARLENE: Someone suggested could we get the direct link for the accessibility tools that are available via the Microsoft - no, sorry, people were asking if the software could be made backwards compatible. Many private consumers have old versions of Microsoft Suite.

TROY: The answer to that is kind of yes and no. They did actually make it backwards compatible for OneNote 2016. So, you do need to download the add-in for that. Beyond that it's pretty much looking forward, yeah.

DARLENE: Someone’s asked for the direct link to the accessibility tools available via the Microsoft resource. I’ve just done a quick search of the website and couldn't find it. Everything will be up on ADCET. I think we’re also sending out a newsletter which will put the direct link into that. So it looks like there is an overwhelming “We’d love to hear from you again, Troy” from everybody.

TROY: Next time what we can do is we can think about maybe just one - we’ve pretty much exhausted Learning Tools, but maybe next time we could look at Translator or some of these other features as well.

DARLENE: Someone made a comment that they teach tax law with a lot of students with English as a second language, and that Immersive Reader is going to be a game changer for them which is absolutely fantastic.

TROY: You’ve got one in 20, sorry, 25% - one in four students in Australian universities are from a language background other than English. It's a phenomenal number. Definitely switching students on to this tool can be a game changer for many of them.

DARLENE: So I think that would be all. There’s a few questions coming through, but what we’ll do is, if we have not answered any, we will send them through to Troy and add them to the link into the webinar, which would be great. Thank you so much, Troy. Before we head off, though, we do have two other webinars coming up in the future. So, next week we have a webinar on actually how to structure your Microsoft Word documents in accessible format which we will hear from Andrew Downing on that, which will be absolutely fantastic. So that’s on Wednesday, 26th June. Actually so, that's not next week, the week after. Then we also have an ADCET webinar collaboration for improved career development decisions for students with mental health conditions, which will be on 1st July. So I encourage you all to register for those if that’s of interest to you. And we have quite a few more coming up in the future. So if you haven’t signed up to the ADCET newsletter you can do that on our website, which is adcet.edu.au. You can hear about all our webinars there. We will talk to Troy after this about getting another time, and if you want to shoot us an email of what area in particular you would like us to focus on, we can put that towards Troy as well. Thank you, everybody, for joining us. We hope you have a wonderful day. I hope your weather there is a lot nicer than the Tassie raining day today. And thank you for bearing with us with all our technical issues. I think we’ve got it through. I’m looking very red and flushed but I’ve survived. Take care, all, and have a great day.