

Testing, testing, one two three.

we are going to begin in about five minutes.

We are going to start in about two minutes.

We are about to get started.

All right, good afternoon everyone.

My aunt -- my name is Liz.

I'm the program and our reach manager for Tools For Life which is at Georgia Tech audit of the for inclusive design and innovation, and we are excited to be bringing you a webinar series demonstration.

This is focused on vision, and you are going to be hearing shortly from Danny Housley who is our assisted technology acquisition manager on the Tools For Life team.

I want to let you know a couple things before we get started.

Today, we are actively recording this webinar.

Please note that it will be archived and posted on the Tools For Life website under webinar archives.

You can visit our webpage and see it on the webpage.

I'm excited that today's webinar to see others and demonstration Tuesday vision series has been approved for one Searcy Clocktower from Sears cc or the -- if you need CRC, we ask that you please e-mail us with a webinar title and date to so we have your information.

It will send you your verification form of all the CRC information.

The e-mail will also be typed on the chat box.

If you have questions or comments while Danny is presenting today, we encourage you to type that in that chat box, myself and others on the team are moderating moderating this.

we will be looking at that chat area for questions and comments.

With that being said, I will pass the microphone to Danny so that he can get started on today's webinar.

Danny?

Good afternoon everyone.

I am going to go into the -- I have lost it.

There we go.

All right.

Today, we'll be talking about wearable technologies.

The presentation is going to be a little bit different.

Our other speaker had a medical emergency.

So we are still going to be discussing wearables.

It's going to be about accessibility for the sight impaired.

I do encourage you to ask questions throughout if you want more information or if something was not clear, please put that in the chat box, and we will address that.

I want this to be interactive.

The more in-depth demonstrations regarding visual end -- vision equipment will be followed up later in the near future.

Let's jump into it.

Tools For Life.

We are a technology act program for the state of Georgia.

We are to increase access and acquisition of assistive technology for people of all ages and disabilities and all parts of state that they can live , and play independently in the community of their choice.

This is our mission.

Every state and territory has a mission like ours.

We are the best.

We are here to provide demonstrations, information, resources.

We are your assistive technology program for the state.

One question that we will like to address is what is assistive technology?

There is an image on the screen.

With a person with their hands hovering over the high contrast keyboard.

This is important.

Assistive technology is the clearest concrete definition is that it's an item or equipment used to maintain or improve the functional capabilities with the person who has disabilities in all aspects of life.

Including at school, home, or at the community.

this is the technology is anything that increases your independence.

That definition is important.

Because it's very broad.

Most items are covered in this definition.

You don't have to worry about anything being not included.

A high contrast keyboard counts as assistive technology.

Just like a tennis ball.

Think that would increase your grip and make it easier to hold on to.

Whether it's something that's designed for specific purpose or something that you are using in a unique way to increase her independence, all of that counts as assistive technology.

Why?

Here is an image of a gentleman who is using a lot of different technology.

Wheelchair user.

He has a headset on his eyes that he is controlling his computer with.

He using Dragon naturally speaking.

You see he has a lap ring with his hand resting on it.

There is something attached to his wrist for increased independence.

He's using a lot of assistive technology and that's what's allowed him to perform his job in the workforce.

This technology is going to help them with keeping in touch with friends and family, when you look at the situation we are in now with the virus, assistive technology -- being able to keep up with friends, families, caregivers, whatever it might be his vital so that it technology plays a huge role now.

We often say first, without a disability -- assistive technology makes life easier.

Being able to ask your smart phone a question.

Being able to control your smart phone with your voice.

Not having to get out of the bed to turn off the light -- that is convenient.

For a person with a disability, as is if is technology makes them independent.

It's nice to turn off the light without getting off the bed.

When you cannot literally get off the bed, rather than ask someone else or wait for an attendant to come in and do it, you can do that independently on your own.

From the life to work, as technology makes life possible for people with disabilities.

Some facts of wearable technology.

One could say that the first wearable device can be traced back to the creation of the portable watch.

That's a while back.

There's a image here of all those first watches.

It looks fancy.

It has a dial and everything on it.

1979, Sony created the first walk man.

I'm sure some of you remember the walk man.

It's a portable player.

I had one of those way back in the day.

It's great.

With the Walkman, you can listen to your sake on the go, books.

You could have your information, access to textbooks through your walk man.

And then the first Bluetooth headset was sold.

So that was a way of making wireless accessible.

And discrete.

Now we have the flashing blue devices so you know who is on their Bluetooth headset.

It was small.

You do not have to have a wire from the ear to the device or phone.

There was a GoPro

In 2004

That was a wearable camera.

The go Pro was used a lot.

[UNINTELLIGIBLE] I've been working with adapt in the past.

We incorporated a lot of GoPros into actions we would do.

In 2013, we have the Google glass that was released and that was released to mixed reviews.

It was a wearable device but a lot of people had some issues when it came to privacy.

It was a wearable device and obviously this device that you were wearing.

But a lot of people rebelled against it and said that they did not want to be recorded or beyond camera.

Don't take my picture without my consent.

Valid concerns that they had.

The API research is estimate that the global market for wearables and health and fitness can reach 17 billion devices in 2017.

We have reached that and exceeded that.

Finally, global wearable markets was expected to reach a value of 19 billion US dollars in 2018.

I have not gotten the updated numbers on what that was but I'm pretty sure that there was either reached or exceeded.

Because when you look at the wearables forecast on the slide -- look at this

This is going to show you some of the information looking at forecasting the 2016 to 2020.

Some of the big areas they are looking at with wearables -- the biggest area was properly fitness activity and sport trackers.

People wanted to track their fitness, track their movement and activities.

Wearable cameras.

Virtual reality -- augmented reality headsets.

Smart watches and smart companions.

In 2016, the volume that you see is 61 out of 123 million, 61 million would seem that fitness activities.

33 million was more watches and smart phone companions.

Virtual and augmented reality headsets were 50 million and wearable cameras were 14 million.

The forecast for 2020 -- it wasn't expected to increase.

So we look at fitness trackers, one from 61 to 187 million.

Also the grand totals entering 20 expected volume was 411 million devices out there.

So one in 87 million we're going to be fitness in the activity trackers.

Smart watches and smart phone companions jumped up to 102 million.

Virtual and augmented reality headsets just up to 26 million and finally, wearable cameras went up just a little bit from 14 to 25 million.

The volume was incredible.

When you look at the value -- it went from an estimated 14 billion and -- in 2016 to an estimated 22 billion in 2020.

We look at the type of devices that are wearables, people are exploring -- we have things like eyewear -- to estimate the number in 2020 were -- May 700, 0000 of that were eyewear.

Respondents were 104 million.

Tokens, click once and truly were formulated.

Other two millions.

the other is highlighted.

Includes socks.

Watches were 112 million.

Here are wearables which are worth 9 million.

These are things that augment hearing are worth 9 million.

We are seeing the growth.

I think even going to 2021 and beyond, we can see anymore wearable devices.

All of them are going to be there.

Finish trackers or the big take away.

– fitness trackers are the big take away.

The next slide is an image of a timeline.

Wearables timeline.

In 1975, we had the pulsar watch.

In 1971, you have the walk man.

So we go forward from the Walkman, you see that that calculator watch was big.

– the watch has been the key item for a lot of folks.

That's your entry into the world of wearables.

During 93, you have the Apple Newton PDA.

That led to the blackberry.

I know people who still use blackberry.

The PDAs -- personal digital assistants -- those were massive.

People where able to not have to carry around huge counters and notebooks.

They were able to have everything easily available.

The blackberry was amazing.

It was a smart phone, a full keyboard people were really liking the productivity that came along with that.

When you do look at these wearables, productivity is big.

What do you notice that his biggest accessibility.

It is lacking.

It's a lot lacking actually in some of these early devices.

The calculator watch, blackberry -- the blackberry 59 did not have accessibility features.

It did not have a screen reader or unification.

At a keyboard but -- when you move forward, the iPod, Motorola razor -- those things were starting to come out.

Being developed.

We mentioned the gold Pro camera.

In 2,007, the iPhone came out.

When it came out, they had no accessibility features but thanks to some advocacy from the disability community, he saw that really change, and it changed in a big way.

When they introduced the first screen reader for the smart phone -- he saw that it was changing.

Magnification and their exit their accessibility features coming out to the years -- in 2,008, the Fitbit took off.

It seemed like everyone had it.

Eventually, get one you were on your wrist.

you had one on your wrist.

The people watch was for the first Smart watches to come out.

That was in 2012.

The bill watch and thank you feel bad chemo out in 2012 and those were big.

That fuel band was expensive but people liked being able to see or track their movement or exercise.

The people watch -- you had apps that will integrate with the android and Apple phones.

The pebble watch had a good better life -- pebble watch had good battery, but it did not have accessibility features.

Moving forward, we have the 2013 Samsung galaxy gear.

Another smart watch.

Everyone was excited for 20 came out.

It had a good ad campaign, but it lacked some features.

Both functionality and for accessibility.

Then in 2014, we had the Apple Watch.

The Apple watch was a first Smart they had a screen reader built into wit.

It was a first smart phone that had a magnifier screen magnifier, I mean.

With that, I will applaud the Apple Watch for coming out the gate with the features that the disability community is going to be able to benefit from.

So then, we fast forward to now.

And we're going to explore some of those wearable options in the coming slides.

First up, we have the OrCam.

Some of you may be familiar with it.

This is a verbal device.

It attaches to a pair of glasses.

You can use your own description glasses.

There are two versions out now.

There is the OrCam and the my eye.

And the my eye too.

It has a camera.

The second one.

It is a cable that runs down to the box.

So that you can control the OCR.

OCR stands for optimal character recognition.

This device takes a picture of text and then scans it and read it out loud to you.

With the OrCam, you can also program it -- such as faces.



So when you're walking down the street and your friend is up the sidewalk and the camera sees them, it can tell you that they are ahead .

If you're at a conference, that is important to be able to program people that you know.

I am not in the blind community, yet I have experienced this a lot.

You go to an event, and you see a lot of people, but you don't notice the people you know.

It's very easy to miss.

You can miss interactions like that.

It something like this, it can increase your engagement with other people in with remembering names as well.

It does have a little camera that can whisper into your ear as you go.

Now the second model is smaller and has a smaller profile.

It is attaches to the glasses that you already have.

Each one does come up with a pair of frames.

But you can use or even buy a frames you want and attach it to them.

They've also been working on new features like cover identification and color identification and the optical character technician and product identification as well so we can help you at the grocery store, making sure that that can of tomatoes is that the same as the other one, or the can of beans right beside it.

It is pretty quick.

He don't have to have an Internet connection or data plan to use the OrCam so it's a handy device, and it will say I do like the newer version -- that small form factor is very nice and the recently come up with the OrCam R which is not a wearable device, it is a small device, but it does the same thing as a wearable so askance text and read it out loud but it's a small device that he keep in your pocket.

It is discrete, it's nice.

Next up is a new eyes.

This is -- in the last few years, we have seen a huge growth in the amount of wearable video magnifiers.

One of the first things that came out was the Acesight

Some of remembered that.

Do not have a great marketing campaign.

They marketed themselves as a cure for blindness.

All of us in the blind community reminded them that it was not.

And they change it up a little bit.

But it was one of the first ones on the market, and you did have the Geordie by freedom scientific.

It was a wearable video magnifier but these earlier devices had decent cameras but there was the latency lack.

A lot of people tended to get very motion sick and disoriented.

This is one of the reasons why our program exists so that people can try things before they buy.

If it's something we don't have in our library, we can connect with its own Adam Palmer or Wendy or some of those vendors in the state so that a person can try it out.

When the Eisai came out, I tried it, and I was laying on the floor motion sick and not doing great.

NuEyes, when it came out, I tried it, and I had no adverse reactions.

It had variation up to 12 times magnification.

You can change the contrast and colors.

You can voice activate a lot of the features.

Rather than feeling for the controller or using the handheld controller that it comes with, he can just do a command to zoom in or out or change contrast.

This is wireless so there is no wires.

It can do text to speech, operable character recognition so we read things out for you.

It does have an additional lens that can attach to the front so that you can do more distance viewing as well.

In this one runs on android.

Speaking connected to streaming TV and entertainment.

you can use it to stream TV.

I tried it out.

They are on their third iteration

The Avenue headset version.

Now this is the Oculus Rift.

What this came out, it was for virtual reality that was mostly used for video games.

You can use it to stream movies.

There are apps now for video identification and distance viewing that use the hardware of this device with the proprietary software.

It's a neat device.

It's one of those things where this is a good example of good universal design.

It's something that can -- it's meant for anyone -- anyone can use it, but you can alter the functionality so that it can be used -- two other people.

It starts at \$399.

All of variables -- you see stuff like headsets and the patriot viewpoint the NuEyes, those are all using virtual reality headsets.

The good thing is they are comfortable character not heavy, they don't weigh your head down.

Being able to use commercially available technology to increase taxes is a wonderful thing.

You can still use the benefit of streaming movie to that headset or play a video game but then you have the added benefit to change a contrast of the world around you or scan text.

we have a question and, and comment on the chat area.

There is a question .

I want to mention that Sarah has a question about the battery life of the OrCam.

What is the battery life of the OrCam?

The OrCam battery life -- you get about three hours I think.

On one charge, but you can also attach a -- all of us now portable batteries for your cell phones or other mobile devices.

You can charge it with that or, if you don't mind having a wire, you can use that.

The general battery life -- this is of continuous use is four hours.

Three to four hours.

Not too bad.

A lot of folks are not going to be using it continuously.

We going to turn on and off.

It can go to sleep.

It does have battery saving features to extend the life.

All right.

The image is the oculus headset.

It has the headset and Bluetooth headphones that come along with it so that if you're using OC hour, can be discrete and young have to have your content be read out to the rest of the restaurant or paper being read out to everyone in the household.

The next up is the Apple watch.

This is one of my constant companions.

I always have it.

I mentioned when this came out, it was one of the first Smart watches to have accessibility features built into it.

You can send and receive text and calls.

We have voice, it can read those out.

If you have your bullets, with the Apple watch or iPhone, it will read your text as you're walking down the street, and you can have different apps that interact with it.

That's one of the things that makes it very powerful and it makes smart phones Powerball.

Having the ability to use different apps to increase the functionality of the device makes it powerful.

On mine, I always have the transit app.

It's one of the months I used the most.

That's on there.

Things for controlling your smart home.

All that good stuff.

You see in the app store, it will show you if it has an Apple watch compatibility.

They can use -- you can use it for fitness.

It has an activity since her

You have your stained ring, and your stand move and exercise -- I even said fitness and forgot the exercise ring.

So with that, you can set a goal for how many calories you want to burn, you can track that.

My watch was checking on me when work from home kicked in.

It was asking me why I was not exercising.

I was able to adjust that, and I can look at my watch and say, I need to go for a walk or move around a little bit to keep the health up.

It does have a heart rate monitor.

Newer versions also having EKG built into it.

It has GPS.

With things or in full swing, and we are traveling for work, one of my uses is GPS.

For directions.

Being able to go from point A to point B while rolling around DC -- it was able to get me to my appointments in a reasonable amount of time when I was walking.

The good thing about the Apple watch is that you do get multiple sources of feedback so that if you're using the GPS, it will give you a tactile, auditory and visual cues for when to take a left or right turn.

If you don't want to look the watch or, if you can't see the display, it will give you a certain amount of taps or are different amount of taps for the right turn.

It will also, if you have headphones, it can speak aloud.

It will give you audible feedback as well.

He has an accelerometer so that it can tell you when you're going up or down hills or steps.

The new version also has fall protection.

Fall protection.

This is great for people who are prone to falling.

In fact, I tested it out in real time .

A few months ago I was walking, and I tripped, and I had a hard fall, and I did get the tap on the wrist, and it was -- if you're inactive for more than a minute, it will automatically call emergency services and texture emergency contact if that is programmed.

Thankfully I was able to stop it before before it did that.

But it does give you the account down alert.

It also has the option for SIRI so you can give it that command.

I'm not gonna say the command right now because I have five different devices that would activate with that command so if you want to talk to Siri, you can open apps, dictate a message, you can get the directions -- all that good stuff.

It also integrates with your camera and asserts starts at \$229.

Here is an image with the white band.

One of the recent UI changes that they made was instead of having -- used to be a cluster of circles, but you can change that tool this view which helps if you are using the screen reader on that device.

All right.

The Embrace Watch.

It's a risk-based device.

It monitors your nervous system and physical activity.

It tracks sleep.

It starts at \$249.

This is compatible with both iOS and android.

IOS is the Apple watch or mobile operating system for Apple devices.

If you want to learn more, even go on the website listed and I do have a slide for the pointer resources at the end so that you will have access to all of that.

Here is an image of -- that shows you how it works.

You have event detection, alert dispatch and, the alert will acclimate when an event is detected.

The -- the Apple watch will send a notification to your caregivers, using your mobile devices so your leader or Wi-Fi connection.

The other dispatchers, caregivers are notified and there is a caregiver alert.

Alert detection, caregiver notification and caregiver alerts.

Their caregiver can be notified through automated call or SMS.

You can add multiple caregivers to the so there is always someone who can offer assistance.

This is great for folks who do use personal care attendants.

Or for anyone who is caring for a family member, and they want to use this device to keep them in touch and to make sure that home safety is being maintained, he can use it.

The watch minder here -- we have another wrist -based device.

It has a rechargeable battery.

Sixty-five preprogrammed messages.

You can set of two 30 daily recurring alarms.

You can create messages.

It has a training and reminder mode need to get tactile feedback as well as the visual feedback.

It has a countdown timer on and so this watch -- there is an image of here on it.

It just looks like a digital watch.

It is not look like anything local or -- it is not stand out.

Looks like a digital watch.

It's great for medication reminders, reminders for people who have memory issues and who need reminders of their routine.

This has good features.

I don't have the price, but I think the watch is less than \$100 so it is affordable.

It's good for folks whom we not want all the bells and whistles of a smartwatch.

They may not want affected.

So the Fitbit Versa, this is -- it has the same functionality as that previous device.

With a lot more.

This is a competition against the Apple watch.

It is here for health and fitness, and it is water resistant so you can word in the shower or pool.

It does have a multi- day battery life.

Not have to charge every day is convenient.

It does sync to phones for music streaming, texting and call modification.

And it will do things like guided reading sessions, things that can help with mindfulness, stress reduction, it can do sleep tracking.

It does have exercise votes, and you can do some mobile payments as will.

That starts at \$199.

It's a black band, rounded rectangle.

It has as digital display on it.

With this one, I have not enabled to test it out, but I do believe it does have accessibility features available.

But this is a good \$200 for smartwatch.

It is still expensive for a lot of people but it's not terribly expensive for the features that you get an inkling -- it can interact with your calendar as well.

We have the garment for one.

This is another watch.

It has a rounded face.

It has a GPS on it.

It's meant for people who are running.

It monitors your heart rate, you can stream music or upload music and save it onto the device.

If you don't have a data connection or, if you don't want to have her phone with you -- it does interact with both iOS and android devices.

It has Apple Pay on it.

Like android pay or Apple pay.

It is a mobile payment option which you can sync with.

So this starts at \$399.

Again, it has a digital display on it.

This is one of the handful of round smartwatches.

Some people want that round device.

Next we have the OTVest.

This is a popular item in our office.

It's a denim vest -- vest.

We're moving from digital to some of the digital hardware for wearable devices.

This denim vest is nice because it does not stand out.

There's an image of a gentleman wearing it so it just looks like a denim vest.

But inside, it has panels that have weights on them, and you can adjust them or add them or remove a few.

If you need them to be later that is.

They have all the old and children sizes so it's good because it can improve balance, help with trunk stability or motor coordination or stress reduction.

I know some people who have used this when you are presenting in front of groups because it does help with giving that the pressure and really some of that stress.

They can help with increasing tension and it's good for folks with autism or people who like that kind of pressure.

If he is like -- almost like a hug.

Presentation.



This is one of those things where -- especially in the school system, it's good because it does not stand out.

It is not look like a medical device.

Next up we have the Levi's Commuter.

This is a jacket that connects to your phone via Bluetooth.

You can control music, screen phone calls, get directions by swiping on the jacket.

And he can set gestures to control the phone.

Such as hanging up or controlling volume.

And they start at \$250.

If you go to YouTube and look it up, you can see it in action.

This is something that was being developed.

It was released.

When you look at it, it just looks like a jacket.

It may also be denim but it's something that's easy to control.

I would like to trade these and see how it interacts with voice control on your phone because he can control those gestures and program things and so that can be something that useful for an individual because it does not stand out, and it blends in.

Tommy Hilfiger Adaptive came out with a line of adaptive designer clothing for men women and children.

This is cool because it incorporates things like magnetic buttons, adjustable pins, Velcro and bungee closers and side seam openings so for people -- there are images of people wearing the clothes.

You see a wheelchair person, someone with a prosthetic.

There is someone who is short of stature so there is all the things and these Outlook -- these look like clothing.

This is clothing that one would want to wear more than some the other adaptive clothing that did not have style to it.

These integrations such as magnetic buttons ensures that someone can easily button and unbutton her shirt without assistance.

The adjustable hymns are interesting like when you have one like that for that another or a prosthetic.

Maybe with your sure -- if you have an arm that's shorter than the other, you can adjust the  
hymns so that it is still fitting well.

And we have side seam openings with people with mobility related difficulties.

It's a wearable of increases someone's independence and so allows them to maintain a sense of  
style.

The MagnaReady.

This is a magnetically infused structured for people with limited mobility.

They start at \$65.

Available for both genders.

It uses magnetic closures.

Again, the clothing is for someone with limited dexterity

You don't have to push up one button into a hole.

If someone -- it's for someone who can dress and undress themselves.

So here is another device.

The Reveal.

It's wrist based.

This measures and tracks anxiety so that you can understand behavior and prevent meltdowns.

As for people with behavior or autism -- this is something where you can track what's going on  
in the day in see within your exactly spike and reflect on what was the cause of that.

That way you can have introspection and -- if you look at the device here, there are a couple of  
images.

It looks like a blue wristband.

Not really a watch.

There is -- the sign on the front.

Looks like a little smooch.

The shares -- this shares the app interface that goes along with it.

On the image, you can see her heart rate, what it was, there is a graph that shows you spikes and  
peaks and valleys -- valleys of your heart rate as it goes up, and down.

You can use it as a tool.

It can also give you an alert so when your heart rate is up for an extended period -- ., you can get a vibration or alert that may remind you to go out and do some guided breathing or get out of the situation you are currently in.

It's a neat device.

It's a low profile.

The GlassOuse.

Glass use.

This helps people use electronics without their hands.

It's based off of head movements and there is a little device that he put in your mouth and when you bite down on it, they can do things like clicking, right clicking, double-clicking.

It uses Bluetooth to attach to your phone remotely.

If you have an android phone -- I think now with the newer operating system from the iPad, you cannot control the cursor -- you can now control the cursor.

That's one of the neat features with the android phones.

You can use it to control a lot more functionality with just your head movements.

You see a gentleman here who is wearing it.

It looks like a pair of glasses without lenses in them.

It's based on head movements and gestures.

We have a couple of these.

They are popular.

E-Handle.

This is a handle or grip for your E reader tablet or iPad needs.

It's a way of increasing grip so you don't drop it.

This is a wearable obviously.

You can rotate it 360 degrees.

But and attachable.

We have a couple images of a person using it so there is a large padded strap that the hand goes into.

That attaches to the device and it will just -- decrease your possibility of dropping a device.

If you get for tea, this be useful for you as well.

PopSocket.

Everyone has his.

You can see everyone in the conference using them .

You can use it as a grip, stand, you can wrap your headphones around it.

Then make holding tablets and e-readers where comfortable and secure.

If you have trouble with dexterity, that can be something that can stabilize you from dropping that device.

With the PopSocket companion, did you attach to any vertical surface and includes dashboards and mirrors in refrigerators and so one so that way, if you need to be able to look at the recipe that she can have a device handy for that.

Modular hosts.

This is something that we use a lot.

It's also using the -tabX tablet holder.

This is an image of a person who has to suffice NEC that there is a plate that attaches to and has straps of this person is actually wearing it on their leg.

The PopSocket they are using has two, or three points attached to it so you can adjust the angle of the phone or tablet is sitting in.

This is good.

You can attach it to your leg, attach it to any surface that can accommodate the straps.

It's great for situations where there is no surface where you can attach your tablet.

On a so far, or, if your on a wheelchair, and allows your device to be handy.

Using the straps -- again, it attaches to your leg.

I think they're holding a large smart phone may be.

It's nice because if you have a smaller tablet, it's good for ease of access.

The BuzzClip -- this is a device that is in for people with visual disabilities.

It's a small device that attaches to the front of your shirt.

You can also word around a lanyard.

The way it works is that it uses ultrasound that the tax obstacles -- objects that are in your path.

If you use a cane, pretty much from the waist down, you are covered.

You can detect items, detect changes in services, textures, any kind of obstacle that's going to be from the waist down, you can get a feedback from the clip.

For the waist up, it's more tricky.

Things like low-lying branches or signs or things that are hanging down in the way, this will give you a physical alert, and it will vibrate to let you know that something is ahead of you and -- from the waist up so that allows you to take a moment to assess your environment and to not block head on something that's low hanging.

It starts at \$149, and you can click on the website.

BuzzClip .com.

This is a handy device.

Just for personal safety, when you're out in the community exploring and going about your daily life.

So if the Serene, this is for people who are hard of hearing.

And converts any TV audio into an infrared light beam for wireless transmission to a receiver so this is a little device attaches to your TV.

You where the headphones, and it basically beams the sound directly to your headphones so that you can turn up a little bit more rather than having to crank the TV up to 11 to hear what's going on on the screen.

This is good for folks who may live in an apartment complex, and you don't want to disturb people or you may be living for other people who don't want to hear what your watching.

There is an immature the shows the device so that is a small pair of headphones.

They are sitting in a charging cradle.

Fidget Ring.

These are similar to fidget devices except that you wear them.

They are little, sometimes they have switches on them.

Anxiety can move back and forth.

They are discrete so you can have it in class or at the workplace.

We use them to reduce our anxiety, they come in a variety of colors and shapes and again, was a different functionalities for that fidget.

So it's something they can allow you to expend some of that anxiety when you are in whatever environment you find yourself in.

Within in classroom or work or office or on the train.

All right, this is the last one.

This is the octopus by joy.

This is a smart watch for kids.

It's icon confidently, you can do things like -- as a scheduler on it.

It has a smart assistant and give you visual reminders.

This is good for the humans who may need extra help with staying on task or known what the next event coming up is.

Again, it's very easy to use.

The image here shows the device.

This one is blue.

It also shows a phone with an interface on it.

You can see this person has programmed -- it has a schedule on there.

After school, bathtime, bedtime, ill has a reminder for feeding the fish at 720 p.m. so you can do all the things that helps with keeping your young one on task and helps them maintain some order and whatnot and their life.

This is the list of resources.

This position will be made available so you don't have to worry about running on all these links.

Let me go back to the other visitation here so that we can talk about some funding as a wrap up.

Give me one second.

Feel free to ask questions.

We covered tons of information so I am happy to answer any questions.

Liz, can we bring up the other presentation?

Yes, I can do that now.

Everyone, type in comments and questions on the chat.

For Danny.

I did see one question.

How childish?

It's colorful, meant for the younger+ users.

It has vibrant colors and meant to be fun.

It is aimed more at the younger crowd.

I do want to mention this. funding funding resources.

This is something you can explore.

He's association appliances and this is one group.

They can cover up to 50 percent of the cost of the vision device.

There is some income requirements for that.

You can explore that online.

There is also credit able.

They are alternative finance program for Georgia.

Low interest loans for assistive technologies.

You do someone who's interested in applying.

If they do have interest, they can go on the website listed.

Some of these can be considered workplace accommodations so if you're going to be using this for work related activities, you can contact Georgia vocational rehabilitation agency.

We have a lot of people on the webinar today so they can do support and services to help with you.

The website is up there for you.

Feel free to explore those options.

If you do want to couple other funding options, I am always available to discuss that.

I am the AT acquisition manager for tools for life so I I am always looking for grants and other funding opportunities.

For individuals to pursue.

Any other questions or comments?

I'll take a joke if you have one.

All right, if there are no other questions, thank you everyone for joining us and keep an eye out we will be rescheduling.

We'll be doing some of those vision demos coming down.

As soon as the presenter is feeling a bit better, we can go to that one.

Thank you for joining us and I think this place a reminder about CRC.

Please visit the above website for that.

Thank you and have a good day.