

We will go ahead and get started with our wired Wednesday.

Welcome to AT bits and bytes with tools4life and the Washington technology act program.

Now I'm going to toss it over to Martha.

And she will get everything kicked off for us and I'm also going to start recording.

This webinar will be available on our website later this week.

And here we go.

>> hello everyone.

Thank you so much.

Thank you for joining us.

We are having fun with this wild Wednesday At bits and bytes with WATAP.

We are so excited that you're here with us.

I want to a shout out to captionist

Thank you, Simon, we appreciate what you are doing as well and as Terry said, these will be on our website pretty soon after today so if you want to catch it again or share it with your coworkers or friends, or whoever, your more than welcome to do that.

Again for those of you -- if this is your first time, this is a partnership with our tools4life team in Georgia and WATAP.

This is a technology team in Washington state.

We've been doing this for several months now.

My sense of time has gone crazy so -- we are very lucky to have Kelly with us today who will be telling us more.

Let me pass it over but before that, if you have more information -- if you have more need for information or more of a one-to-one demonstration, please contact us.

Our numbers are on the screen.

If you are out that even in the state of Georgia, or Washington, and you would like to talk to us, we'll be happy to talk to you as well.

Now let me passes over to where Maria.

Thank you.

>> hello.

I'm going to share my screen.

Do you see it Martha?

Yes, yes, I can.

>> I shared my iPad screen with you all and today, the wired Wednesdays, I'm going to be focusing on math applications.

I'm going start with mod math and depending on time, I will show you some features built into another application called math paper which is developed by a software company called Panther software.

Let me start off by talking about mod math.

Let me launch it.

This is what it looks like.

It's virtual grid paper and there is an IOS version that's free.

When I tap on the small icon there, it will give me a full screen of the grid paper.

This is really designed to provide for an individual who has dysgraphia and dyslexia.

It was designed by parents who have a child who is with dyslexia and dysgraphia.

Who is having challenges with pencil and paper.

This is not a calculator.

It's a pencil free platform for individuals to be able to write down arithmetic problems as simple as addition and subtraction, multiplication and division, and it also has some capability and capacity to do more advanced mathematical applications such as algebra.

What you are seeing here on the lower right corner is the keyboard, and I could reposition it.

Unfortunately, this application -- I can't make the keyboard is larger that is one disadvantage is if you're working with individuals who have some some dexterity and fine motor issues.

You'll notice on the top left-hand corner, there is an arrow so I did purchase the Pro version and what that -- what that gives me is that when I tap on the arrow, it gives me an extension on my keyboard to do more advanced mathematical calculations for the purposes of this demonstration.

I'm primary going to be using standard keyboard for this presentation so let me reduce that.

On the left-hand side, there are some different options and settings that we can utilize.

The first one -- if I tap on this, it shows me how many pages that I have so I have not created any new pages.

I only have one.

With the paid version, I'm allowed to capture and take photographs.

So ,for example, maybe I have a hand out for my teacher with some math problems and I can import that into my grid document, or I can actually import the photo if I already have some photos within my photo library and that's only with the paid version.

The next icon -- third from the top allows me to write notes.

As I create arithmetic or mathematical problems, I can create notes for myself and if I just enter "test", and I see that is not -- until I tap on it again on the gr, it will show me what my note is.

It can be advantageous in writing notes or for study for a quiz or test and is easily editable.

You can edit it easily and deleted.

I can delete it by just tapping on the trash icon, and it will ask me if I wanted to delete it and I'll say okay and it disappears from my grid

the first -- the fourth option allows me to switch my background settings.

Right now I'm on the very first one which is the white background but if I tap on the one right below it, you can see it gives me a bunch of different options depending on the end users preference regarding visual axis.

Let me go back to the original.

The last one allows me to -- after I've completed the math assignment, and solving the problems, I can copy it, and it gives me different options on how to send it.

I can air Drop it to another IOS user.

I can save it to my notes or send it to my [UNINTELLIGIBLE] lots of different options in regards to areas where I can save it.

The other thing I can do -- let me write one number here.

In this setting feature, when I select the setting of markup, it gives me these options you see below of being able to highlight the text.

If I choose the marker -- the yellow marker, I can change it colors, blue or red or green and if I tap that, it will highlight the area that I have selected.

And then, this is gonna be saved as a PDF, so prior to sending it to myself or sending it to [UNINTELLIGIBLE] so that it can be sent a lot easier.

So I can save it, in this case, I'm going to do delete that for the sake of example.

So that's what do you get if you do the basic version or free version, remember, it does not give you the photo capture capacity, or extended keyboard or does not allow you to save or create virtual notes so just keep that in mind depending on the features that are needed for the client that you're working with.

I was anxious during this because I -- math is not my strongest suit.

I am going to show you how to enter a couple of equations.

The nice thing about this is that again -- let me clear that number.

When I -- when I am sending out different math problems -- let me do a simple one.

You can just see I enter text based on -- the numbers will be entered based on the cells on the grid that I am tapping on.

So if I am -- I don't want that there is so it's easy to clear it.

So if I want my + there and I'll type 19 plus 15, you'll notice the line that's automatically entered.

I am going to show you how to carry over numbers.

You see on the number keyboard, it's hard to see -- I apologize.

I can't make it larger.

But you'll notice where I'm pointing that letter N with a box on it so -- that's a carry over feature that's built into the keyboard function here.

If you know that I'm close five is 14 -- I enter a four and then, when I tap that letter N with the square on top of it, you'll notice that there's a little box that gets entered up there and that's where I'm going to enter my carry over number of one and so, what this allows the student to do is show the work so that when they submit that to the teacher, they will know that they are actually doing the work correctly and understanding.

That's one example.

Of how the mouse and keyboard functions were utilized.

If I -- a subtraction one -- if I do a subtraction one, you'll notice that it has that -- it has that line for the mathematical problem.

Now I'm going to have to borrow -- if you remember our basic concepts of subtraction -- I'm going to have to borrow the one from the two so again, going back down to the keyboard, this time we're going to use the function with the crossed out letter N

I'll hit the button and it cancels that out and then I'm going to go over to the letter N with a number and I'm going to make that a one and I'm going to go to the five and then I'll press that, and I am showing my work once again so I can do that.

So I can do the problem and get my answer.

That's a nice built-in feature for our students who need to show their work.

I really like this feature in this particular math application.

The other function that's nice is if I'm doing fractions, the fraction function on the keyboard is the one right here where my mouse pointer is.

If I tap on that, it automatically puts a line in the middle of one of the grid squares and so if I enter a fraction of let's say the example of $1/6$, I tap below that and so that's what that looks like so I'm going to -- whoops.

Not multiply.

My bad.

Plus $2/6$.

So I tap the A over B again , and it gives me the next grade that I need to do.

And then I will do equal.

One of the other things that I failed to mentioned above, if I long press on this number line right here, you'll notice a pop-up window shows up.

I can move that line up or down.

I can make the line longer or shorter.

If I say shorter, it goes shorter, and I can long press it again.

If I wanted it's too move down, you can move down.

That's a nice built-in feature.

It's in the tutorial so if you're going to get this particular application for one of far clients, I would encourage them to take some time and go to the tutorial.

Let me go back down.

That's another example.

the other nice thing is that if I long press to the fraction equation button, you'll notice that a similar window pops up.

This time, because I'm working with fractions, you notice on the very bottom of the pop-up window, there's an option of swapping.

When I select that, it will swap the numbers.

make the numerator and denominator trade places.

That's a very nice feature.

Let's do a division problem.

You see that division symbol is right here on the bottom left corner of the keypad.

Let's do a problem of -- I tap on that, and you see the \div -division-sign's their.

I'll enter the nine, and I wanted that to be divided by seven.

So we know that there's going to be a reminder so that the other nice thing about this particular keyboard -- you'll see where my mouse pointer is, is pointing at the button with a division sign and the letter R for remainder.

We know that seven goes into nine.

One time.

So we enter the number one.

I can actually show my work down here.

If I choose to do so.

Some teachers will probably want to do that.

We know that 19 -- the next number would be four as we do the problem and there is going to be a remainder so I want to be able to display that is my answer so I tap on the ÷-division-sign with the letter R and enter my remainder of one.

So I can then go back and save all of this. and I can forward this on to my teacher.

And submit that to them via e-mail or via text or whatever format that the instructor wants.

If there no questions about this particular application, I do want to talk about math paper.

Any questions?

>> we do have questions.

Chris has asked, can someone please tell me what we are looking at.

He's having [UNINTELLIGIBLE] what what type of A-T this is.

>> this is an application called mod math and it's an assistive technology to help individuals who have dysgraphia.

Or dyslexia or who have a challenging time with writing down math problems with pencil and paper.

So it's giving them an alternative to pencil and paper to do the math problems and to be able to submit that to the instructor or teacher.

>> Jeremy and Francisco were letting people know the this is for the iOS platform

Maria, what do you know if this is also available on the android platform?

>> I did not find it there but I'm sure there might be something similar.

The same thing with math paper.

I believe they are both iOS application.

>> there is a free version.

Of mod math and that provides you with a young boy at the UC were on the screen.

It is not allow you to greet workable notes or allow you to capture an image with a camera on your device.

So if you don't need those features, he don't have to purchase the math -- one math Pro version which is for 99.

>> there is one more question.

The question is, is this not for the iPhone?

I don't see it on the App Store.

I'm looking at on the iPad.

>> I believe -- let me double check.

I believe you can use it on your iPhone.

I believe so.

I believe so, but I can verify that in if you want to send me an e-mail, I would be happy to answer that question more definitively.

One way or another.

>> Sarah responded and said, yes, mod math is only on the iPad.

It may just be an iPad app only.

I only use it on the iPad myself so I'm not sure either but

>> we can verify that.

>> yes, we can to definitely verify that if you send us an e-mail.

Thank you.

>> okay.

With the time remaining, I just want to talk about a few features on math paper.

This is what math paper looks like.

Let me get out of this. I created already some problems for the sake of time, but I want to go back to the home button.

This is one of the screens.

The difference -- this is an iOS app, and I believe it's \$20.

You can buy some in app purchases.

One is for multiplication.

It's like a dollar.

The addition pack is for a dollar.

I have not downloaded this for this particular demonstration.

What I do want to talk about -- why I want to talk about the in comparison to the mod math application is that this has significantly more features than then what mod math has.

Remember, mod math could not expand the keyboard.

This is similar.

This allows me a lot more flexibility with the keyboard if I'm using or working with an individual who has fine motor dexterity issues.

When I go under settings here, you can see it on the wheel, you'll see the pop-up window.

The keyboard to I am using is basic, but it gives me some different options.

A teacher option which gives me more features on the keyboard.

If I were creating math homework for my students.

The two hit option is advantageous for people who have fine motor issues.

So when I go to that selection, and I go to the keyboard -- let me scroll up, and if they want to hit the number six -- let me go back and do that again.

Let me hit the number six.

Notice, it gives me under another screen that has bigger targets.

That's why it's called two hits.

So if you want to hit the number eight -- I tap on the number eight, and it gives me another screen with a bigger target so it's a two hit situation which could be advantageous to our clients who need a bigger target for increased accuracy.

I'm going to go back to this. the thing I find challenging about this application is that it's very layered so if you're working with individuals with some cognitive delay or cognitive challenges, they might -- the learning curve is going to be significantly higher for those end-users because there are a lot more built-in features so let me go back to basic.

The other things that are on here that I felt could be advantageous for individuals who need some fine tuning as a result of their fine motor skills, you notice under accessibility, there is hold time.

So if there are individuals who have dexterity issues, I can increase that hold time to increase their level of accuracy when hitting the different keys on the virtual keyboard.

The other thing you see here is predictive cursive.

I recommend that that's only on.

If I turn that off, what happens is that if I'm on the grid, predictive cursive will automatically move to the next cell or great window.

You did not have that on, the individual will have to -- we hit the + ,for example -- right now I have to preach to the.

You notice that the next hill is highlighted in blue.

If I did not have it on, I would physically have to tap the next so over to work on my equation.

Those are the ones that I wanted to highlight under the settings.

So in regards to the keyboard that you are seeing right here, you'll notice that if I tap under more, it gives me my alphabet.

It's two layers.

If I hit you to see -- the next one will pop open.

It has a lot more advanced math equation that you can curate.

You'll notice here if I tap on that particular window on the far left, I have all my algebraic notation that I can utilize if I'm doing higher level math.

If I go back to home, my street number key that's there.

The other thing that it will do is when I go to the home button, I can do miscellaneous math.

I don't really even remember what those symbols mean.

There are other symbols I can utilize for geometry that you see here for volume, weight.

Even in area folder for time and distance so if our students are working with those kinds of equations, or, if students are working with money, there symbols specifically for that.

As you can see, a lot more features built into that.

The others may think that this has cost you notice that as I -- on the far right window or fire -- far right end of this screen, you see the arrows.

If I tap on that, it gives me navigational options.

If I have a difficult time with schooling, with my fingers directly on the iPad screen, I can just tap on those arrows do you see here, and I will move my screen up, and down.

The left and without having to hold or scroll left or right or scroll up, and down.

Joe thing that you Sosa as I was doing this, you saw if I go up to the very top, it also gives me a visual axis of that redline.

That redline tells me time at the top of the page.

I have a similar redline at the bottom.

And I have a similar margin for my last -- left and right.

It is added feature for this particular application.

The other thing similar to mod math, at the a carry over in when were doing more advanced addition and the borrowing you're doing -- and borrowing were doing some subscription and let me show you how to do that and then I'll take questions.

If I'm doing this equation right here.

Let me go back to my home screen you see the folder on the right-hand side that says so close to four.

If I'm going do I'm close to that's 11 so I'm going to put a one.

And then what I'm going do is sit this screen -- the folder, I mean, you see that there is an X, plus and a money sign in has the arrow curving to the left.

I'm working on an addition problem so if I tap on addition, you notice that the borrow box will go above the area where I'm going to -- skews me, carry over.

So I'm going to enter a one and now I can show my work that way so similar to the subtraction equation -- the risk give work to that one and I'm going to type on that folder that says so plus 34.

If I tap on that, I'm doing subscription now.

So you know that the borrowing is now on that so similar we I can show my math work for my teacher when he ascended it in to them.

So similar to mod math, I can e-mail it.

I can text it, I can save it as a PDF so those are the similarities between the two applications.

This application is \$20.

With three options to add advanced math for subtraction, division.

An addition for additional dollar for each of those areas.

But if you're working with individuals who have some fine motor issues, you might want to look at this more closer compared to mod math so with that, I will take some questions.

>> thank you so much Maria.

I'm very impressed with your math skills.

It's been a while since I was in math.

[LAUGHTER] I appreciate that.

If you have any questions, please feel free to put them in the chat box.

Maria, if you can stop sharing.

Tori can put up our PowerPoint and again, we just want to thank everyone for joining us today but waiting for question.

Please mark your calendar for our next won which will be on July 29th.

We'll have a new presenter.

[UNINTELLIGIBLE] let's get some feedback.

Here's a survey link.

It's on the chat box.

The link I mean.

Crystal, you have a question?

I'm here to learn more about AT and remote support to those having accessibility issues while on websites.

Can you please recommend a section taken addresses?

May be an organization that can help?

Yes.

We can definitely talk about that.

Crystal, we came to a wide one say on this. -- you're not sure.

They can be a possibility.

If you can fill out the survey, and we are definitely reading those surveys and we will -- we can definitely see what do we can do on that.

If he have specific questions about that, I will put my e-mail or let me see, our contact.

Yes, you can reach us at info @the above link.

Maria, what is your e-mail address so we can put that in the text box two.

It's on the chat window.

you can differently e-mail us both about that specific question, and we can differently get back to you, and me put in my e-mail.

Again, we must take some minutes to take -- please answer the survey so we can know how we are doing.

I don't see any other questions.

Thank you everyone for antennae in our next one will be on July 29th add 230 with Danny Housley going over some ways finder apps.

However, I you everyone.

This webinar as well as other past wires was this will available on our tools4life wiki and you can access that through our website.

The website link is on the slide.

This will be available by the end of the week so he you have any further questions, please let us know and will be happy to help.

Thank you everyone.

>> thank you.