# EquatIO Presentation by Fiona Thomas 8/5/2019

# Slide 1

Welcome

# Slide 2

I’m Fiona and I’m a new member of the Texthelp team and

I will be guiding you through this introduction to EquatIO

My role is Learning and Teaching Specialist and I am part of the Asia Pac team

Our office is in Brisbane and I’m based in Sydney

# Slide 3

I’m from Sydney NSW and this is the Cooks River. Lucy is my dog, she is a pug and we walk along here everyday I’m home. The other picture is an australian swamp hen they indicate a river is coming back to life…..

# Slide 4

Things have improved significantly in terms of access for reading and writing but true digital access to maths that can be created and consumed on a range of devices has been difficult to find.

# Slide 5

**There are 4 key principles when we talk about digital accessibility and these are:**

**Perceivable -** information and user interface must be presented in ways others can perceive.

**Operable-** interface components and navigation must be available to all.

**Understandable-** information and the operation of the interface must be understandable.

**Robust-** Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies.

# Slide 6

EquatIO an intuitive toolbar which enables everyone to create and consume maths digitally. It allows for multiple ways to digitally input your maths you choose which one works best for you. Compatible across platforms and works with JAWS software and other screen reading software. Creates maths in an accessible format that enables access via Text To Speech.

# Slide 7

Currently not a lot of good alternatives in the digital world as alternatives to pen and paper …. We have equation editor in Word and a similar tool in Google Docs but they require often significant knowledge and navigation.

# Slide 8

* Creation of maths content
* Consuming and using content created
* Collaboration with peers and others
* Converting text so that it is readable and accessible by AT.

# Slide 9

How do we give our students the ability to communicate with their teachers and potentially other students with greater ease and accessibility.

In whatever method they prefer they may use pen and paper but digitally as well. This is the heart of UDL for me. The more I learn about UDL, the more I think it is just good teaching!

# Slide 10

It’s a toolbar which when opened runs across bottom of computer screen on LHS multiple methods of input and RHS ability to edit and insert maths into a document in word or google docs.

# Slide 11

EquatIO provides students with new ways to easily get maths into documents by typing, voice or handwriting on our touchscreen devices.

# Slide 12

It offers more advanced tools such as integrated graphing and workspaces to allow pupils to engage, explore and express maths easier.

# Slide 13

Let’s take a look, slide will live demonstrate features previously mentioned.

# Slide 14

Workspaces to allow pupils to engage, explore and express maths easier. It’s called Mathspace, a digital grid paper with lots of maths manipulatives.

# Slide 15

Manipulatives such as Base Ten Blocks and Tangrams are commonly used in math class to help students concretize abstract concepts. Virtual manipulatives harness the capabilities of the web to put these instruments at every student‘s fingertips. And because these digital tools circumvent the physical limitations of their concrete counterparts, they can be used for the analysis of more complex concepts (i.e. more blocks, more options for exploration).

# Slide 16

Let’s take a look, slide will live demonstrate features previously mentioned.

# Slide 17

Demonstration slide for EquatIO mathspace using desmos graph.

# Slide 18

# Support diverse range of learners

Save time and money with quicker conversion of inaccessible materials

Ease of use ….. Teacher, support staff could use

# Slide 19

Combining the power of the Screenshot reader and using inbuilt maths language either MathsML or LaxTeX allows staff to transform inaccessible maths quickly and easily.

# Slide 20

Screenshots of original inaccessible PDF of maths textbook screenshots show selection of equation and copy to MathML or LaTeX

# Slide 21

This slide shows inaccessible maths which can not be read aloud we can capture with the screenshot reader and then transform using EquatIO into accessible maths which can be inserted into a document or read aloud.

# Slide 22

Let’s take a look, slide will live demonstrate features previously mentioned.

# Slide 23

A single licence or school/district wide licence Equatio can be used for school, home and work….

# Slide 24

If you need help we are here to support you …..

Email - f.thomas@texthelp.com OR general email asiapac@texthelp.com

# Slide 25

Short link to access your free copy of EquatIO [text.help/freeforteachers](http://text.help/freeforteachers)

# Slide 26

But there’s more …… Texthelp training and resources at Texthelp.com and Texthelp YouTube Channel.

# Slide 27

Thank you and any questions