# Create and collaborate with digital Math and STEM tools

March 2022

## Slide 2

Hello, I’m Ben.

Ben Dyer, Customer Success Lead, Texthelp

@TH\_BenDyer

[b.dyer@texthelp.com](mailto:b.dyer@texthelp.com)

## Slide 3

[bit.ly/equatIOFUN](http://bit.ly/equatIOFUN)

[text.help/eqwakelet](https://text.help/eqwakelet)

## Slide 4: Math hasn’t changed

## Little to no collaboration with current classroom structure

## Worksheets don’t allow for critical thinking or math manipulation

## Slide 5

kids with persistent math problems in primary school are...

## 13% less likely to graduate high school

## 29% less likely to attend university

Source: [PhysOrg.com](https://phys.org/news/2011-04-early-math-skills-academic-success.html)

## Slide 6

attitudes formed as early as junior high school have the ability to influence whether students want to pursue careers in STEM

Source: [MDPI](https://www.mdpi.com/2076-0760/6/1/14)

## Slide 7: need to build a STEM workforce

STEM career projections growth from 2015-2025:

* 28% mathematical, science jobs
* 13% STEM, post secondary teachers
* 12% computer occupations

## Slide 8

Image of a Math textbook next to a calculator with a notebook of answered math questions on top of both

## Slide 9

Image of inputting Math into a Word document using Math ML

## Slide 10: Make math digital

EquatIO allows you to create equations, formulas, and more, digitally. Helping to make math and STEM classes more accessible and engaging for every student.

## Slide 11: Five platforms

EquatIO for Google: Chrome Extension for Docs, Forms (and Forms responses), Slides, Sheets & Drawings

EquatIO for Office 365: Extension for Microsoft Online, Excel Online, Powerpoint Online & OneNote

EquatIO for Desktop: Desktop app for Microsoft Word and Powerpoint (Powerpoint Integration only available for Windows)

EquatIO mathspace: WebApp for browsers and iPad, compatibility with Chrome, Firefox, & Safari

EquatIO for LMS: LTI’s for Learning Management Systems, currently available with Canvas, Brightspace D2L, Schoology, & Infinite Campus

## Slide 12: Three advantages of using technology in math instruction

* Engages students and encourages group collaboration and discussion
* Provides multiple representations of math concepts
* Provides students with rapid sharing and teacher feedback

## Slide 13: Demo time

Image of computer and mobile with Math on the display

## Slide 14: EquatIO mobile

* Use your phone/tablet to handwrite, record, or take an image of math
* Upload the math directly to the document on your computer or Chromebook

Image of a laptop computer displaying EquatIO

## Slide 15: EquatIO mobile benefits

* Easy to make digital math can use touch devices already have access to
* easily create maths using handwriting, speech or take a photo of handwritten maths

## Slide 16

Image showing a document titled Maths Worksheet 1 with a Try EquatIO Mobile window showing

## Slide 17

Image showing a document with a maths equation and the EquatIO toolbar at the bottom with the Select EquatIO mobile button highlighted

## Slide 18: BETT 2022 award winner!

EquatIO wins Secondary -Digital Learning Product at BETT 2022

We are delighted that EquatIO picked up the award for Secondary -Digital Learning Product at the BETT Awards in London. A proud moment for all Texthelpers and thank you to the millions of teachers and students around the world who use EquatIO every day. This one's for you!

## Slide 19: EquatIO Benefits

* A User Can Independently Edit & Solve The Math
* A Screen Reader Can Read The Equation & Sequence Through It Character By Character
* The Math Is Searchable By Users And The Math Can Be Found Inside Documents
* The Math Can Be Created In The Same Format It Was Presented
* Artificial Intelligence Will Have Access To The Math Which Will Enable Unlimited Ways For Users To Learn

## Slide 20

“Discovering EquatIO was the real turning point for me and my students, finally we could **all learn math in a fully digital and inclusive way**.”

Dan Lyons, Math Teacher, Lakeview-Fort Oglethorpe High School, Catoosa County Schools District, GA

## Slide 21: EquatIO

Image showing a laptop computer with EquatIO and dictation icon on screen

## Slide 22: Equation editor

Image showing an equation editor tool for search for equations or formulas

## Slide 23: graph editor

Image showing a Desmos graphing tool

## Slide 24: Desmos Accessibility

* Watch the video to the left to learn more about Demos accessibility features (<https://www.youtube.com/watch?v=EqqiqTkThi8>)
* As Desmos makes improvements to accessibility in the future, we will update our product to match those adjustments

## Slide 25: handwriting recognition

## Slide 26: speech input

## Slide 27: screenshot reader

## Slide 28: mathspace

## Slide 29: mobile

## Slide 30

Image showing a Google document with a Maths question

## Slide 31

Image showing a Maths webpage with the heading The Quadratic Formula Explained

## Slide 32

Image showing a Google form

## Slide 33: Make maths digital and accessible

* Input with handwriting, type, speech, LaTeX and any mobile device
* Smart prediction and equation library
* Integrated graphing
* Creative and flexible maths workspaces with manipulatives library.
* PC, Mac, Chrome, PDF, Web and Paper support
* Great for maths and science subjects
* 5 million + users

Images of Windows logo, Google Chrome logo, and Apple logo

## Slide 34

1. Reading, Writing and Comprehension
2. Integrated assessment of writing
3. PDF support
4. Practice Reading Aloud & comprehension
5. Digital Maths & STEM

## Slide 35

Future Building in education virtual conference May 4th 2022

## Slide 36: Resources & help along the way

* [Podcasts](https://www.texthelp.com/en-au/resources/podcasts/)
* [YouTube](https://www.youtube.com/c/Texthelp/featured)
* [Blog](https://www.texthelp.com/en-au/resources/blog/)
* [Facebook](https://www.facebook.com/groups/TexthelpAsiaPAC)
* [Product Resources](https://www.texthelp.com/en-au/resources/training/)
* [Tech Support](https://support.texthelp.com/help)

## Slide 37

**Be part of the Texthelp Community**

Review our tools, help teachers and share your insights, to shape what we do and how we do it.

Contact Ben Dyer to discuss!

At Texthelp our customers are at the centre of everything we do. We love getting your feedback and finding out the impact that our tools are having on teaching and learning.

## Slide 38

[bit.ly/equatIOFUN](http://bit.ly/equatIOFUN)

## Slide 39

Search for: EquatIO Texthelp Titans Facebook Group

## Slide 40

Thank you for listening!

Any questions?

## Slide 41: Get in touch, I’m here to help.

[**b.dyer@texthelp.com**](mailto:b.dyer@texthelp.com)

@TH\_BenDyer

+61(0)74913-0609

Thanks for watching!