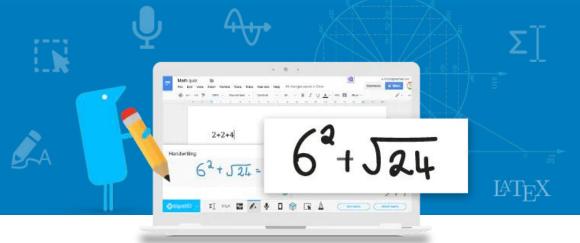
# Create and collaborate with digital Math and STEM tools

March 2022











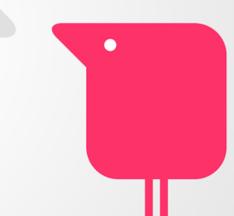
## Hello, I'm Ben.

Ben Dyer Customer Success Lead Texthelp

@TH\_BenDyer b.dyer@texthelp.com



bit.ly/equatIOFUN text.help/eqwakelet





## Math hasn't changed

- Little to no collaboration with current classroom structure
- Worksheets don't allow for critical thinking or math manipulation





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



less likely to graduate high school

less likely to attend university

Source: PhysOrg.com



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



Source: MDPI



### need to build a STEM workforce

STEM career projections growth from 2015-2025:

28%

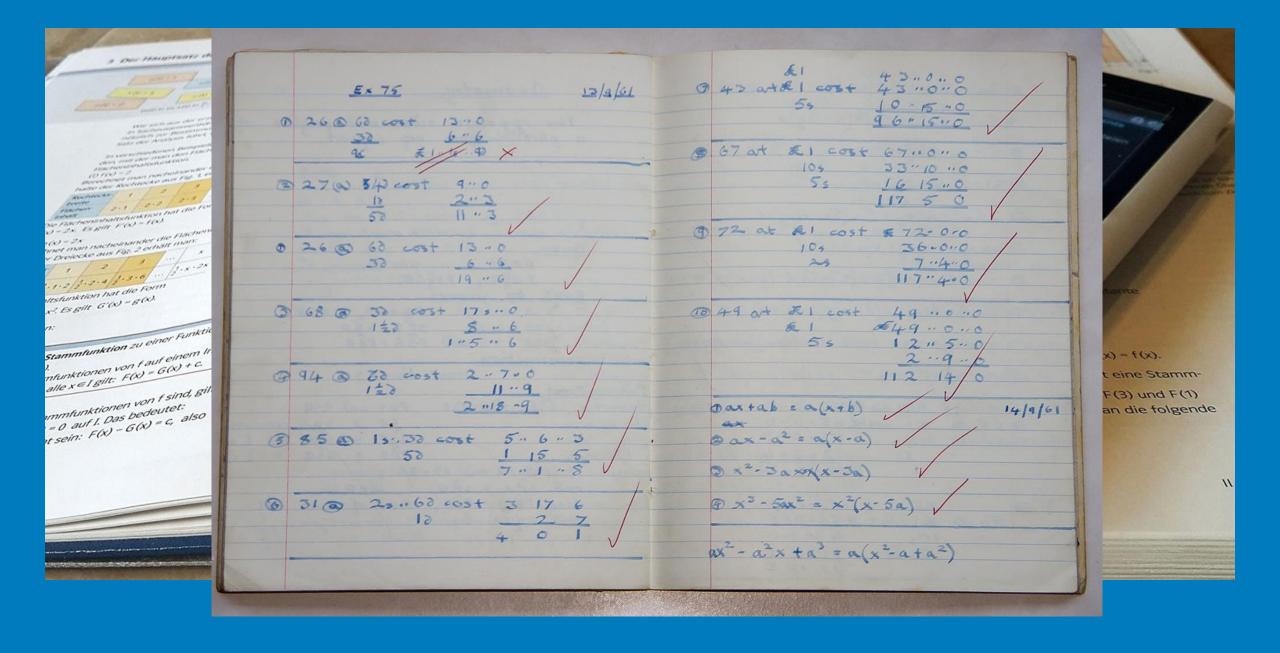
mathematical science jobs

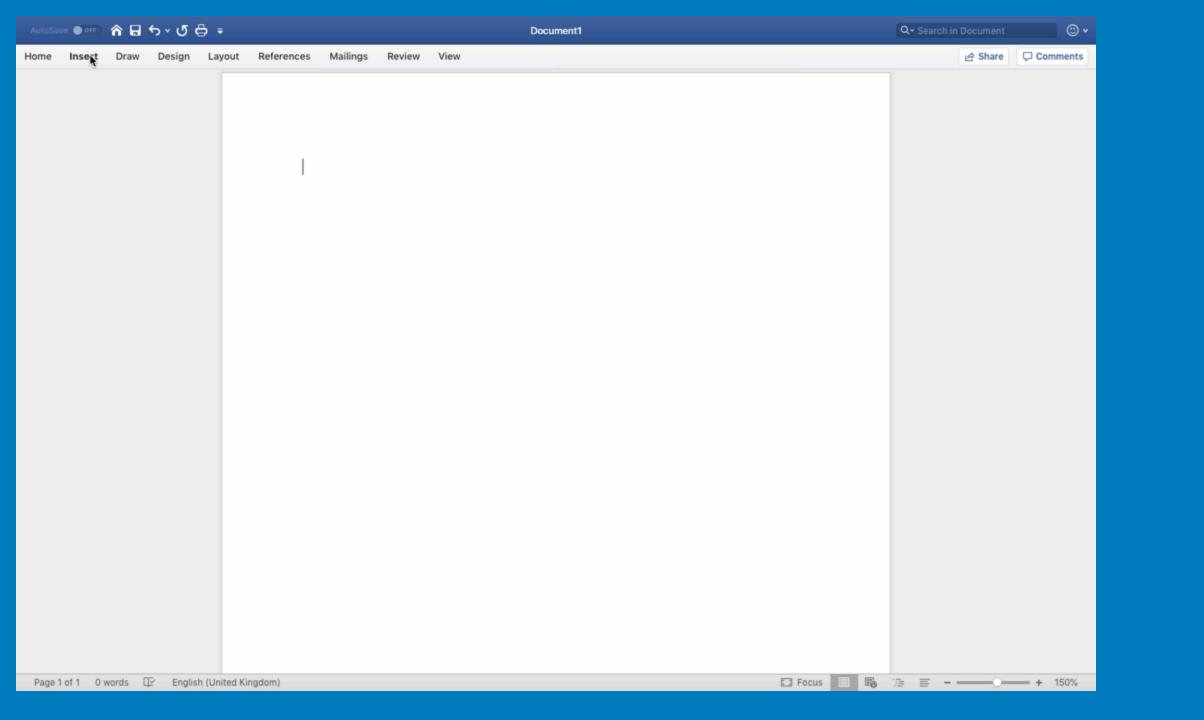
13%

STEM post-secondary teachers

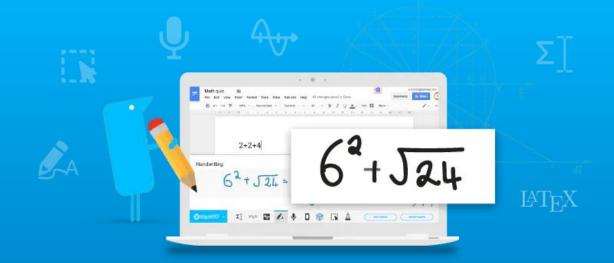
12%

computer occupations









#### 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.



## 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



**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



# 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



## Demo time







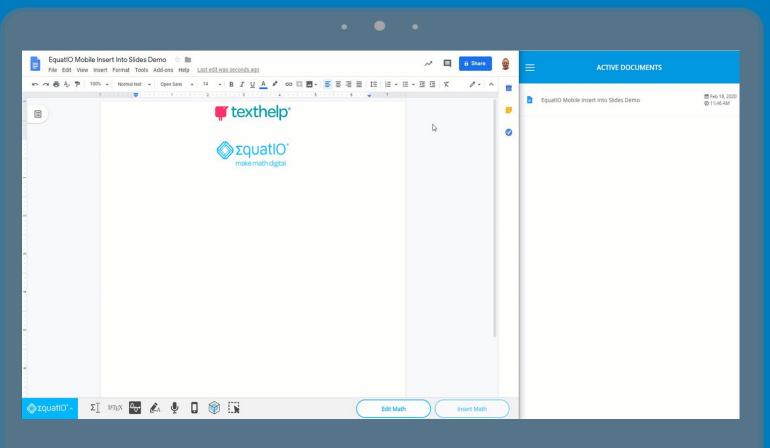
#### EquatIO mobile

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







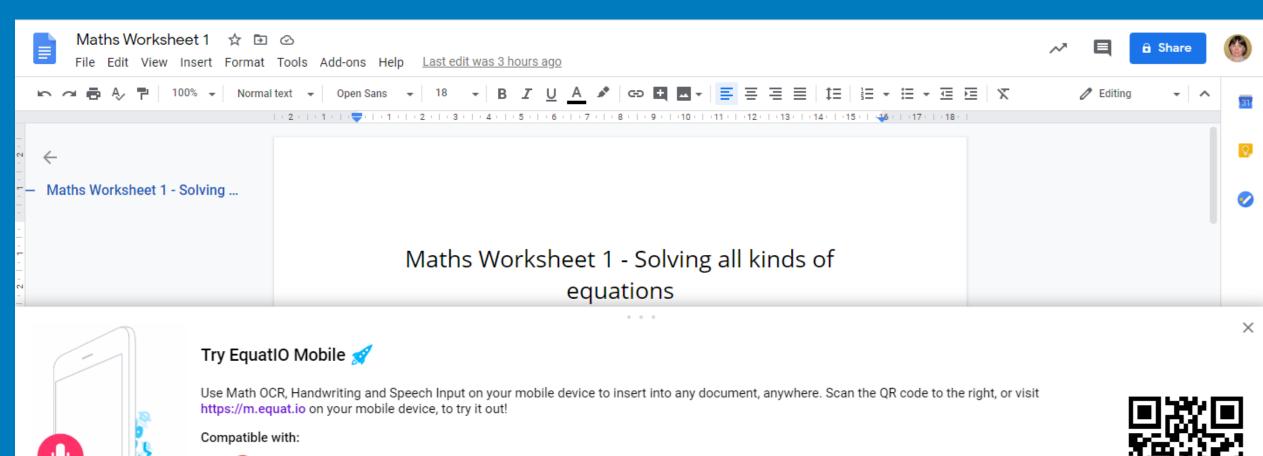
#### EquatIO mobile benefits

 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



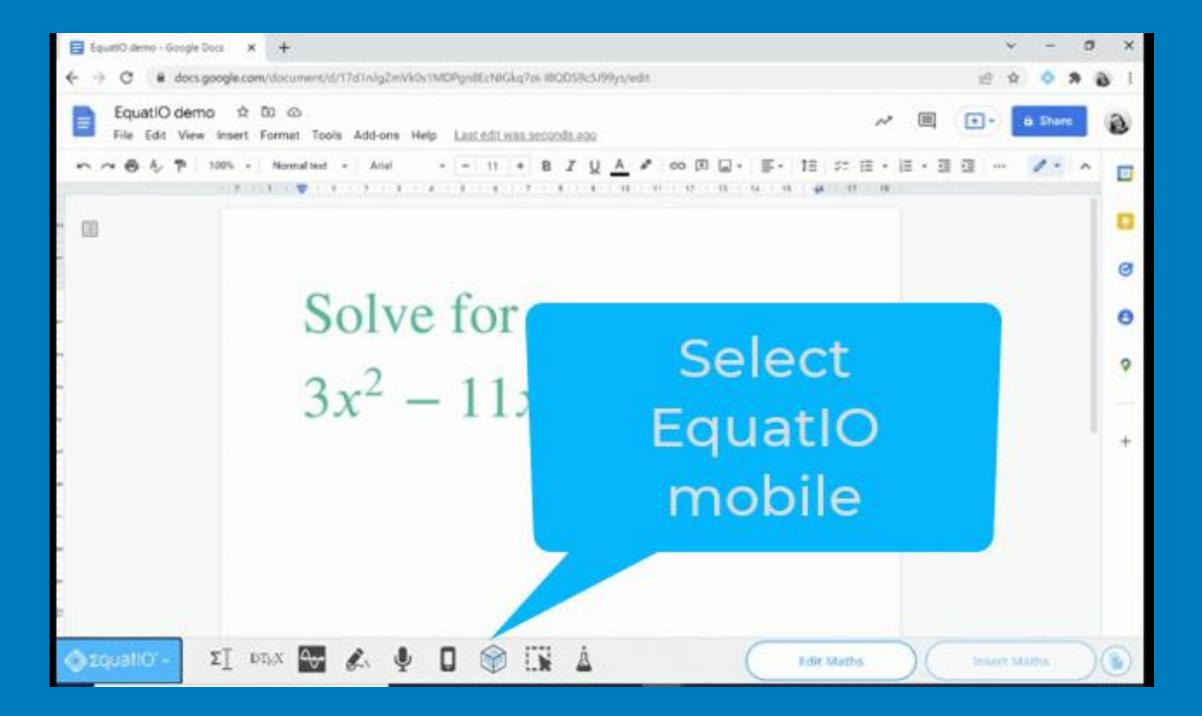




Google Chrome on Android

Safari on iOS 11+







## 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!

#### **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



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

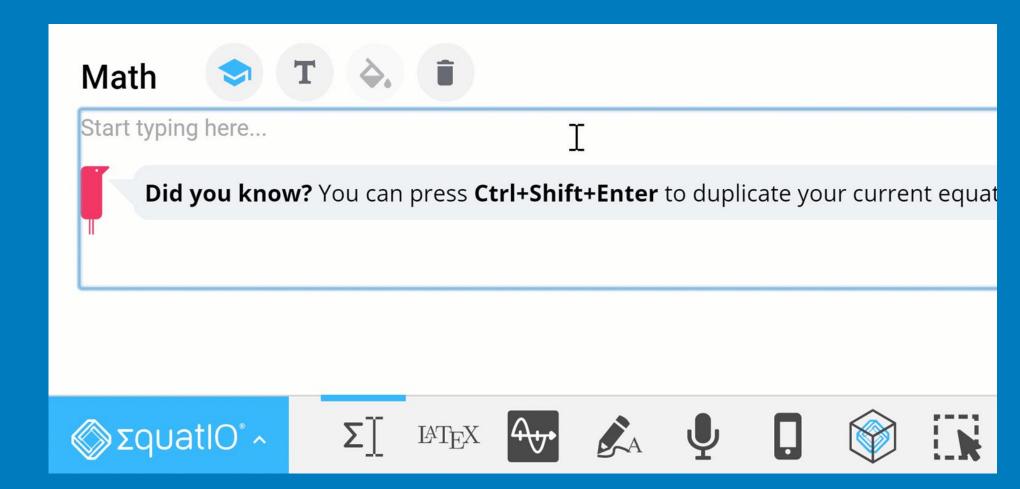


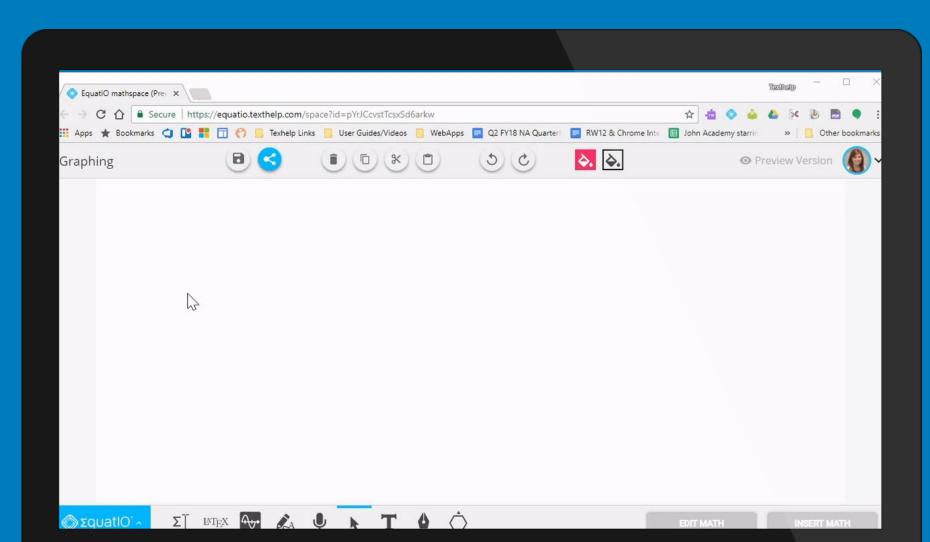




# Equation editor







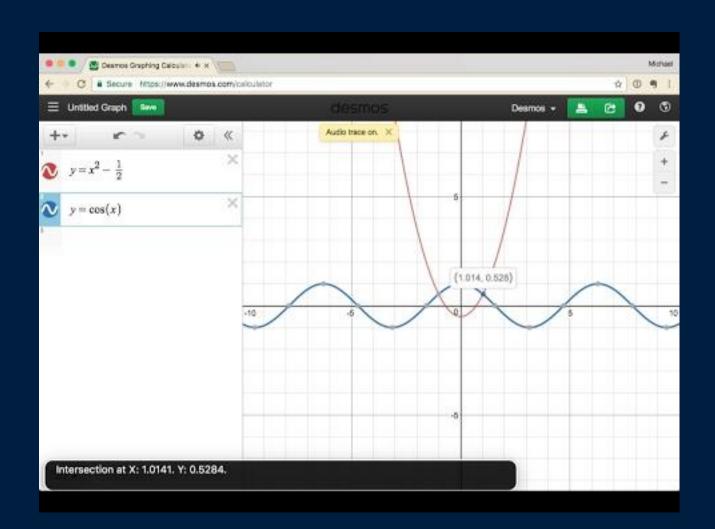


#### graph editor



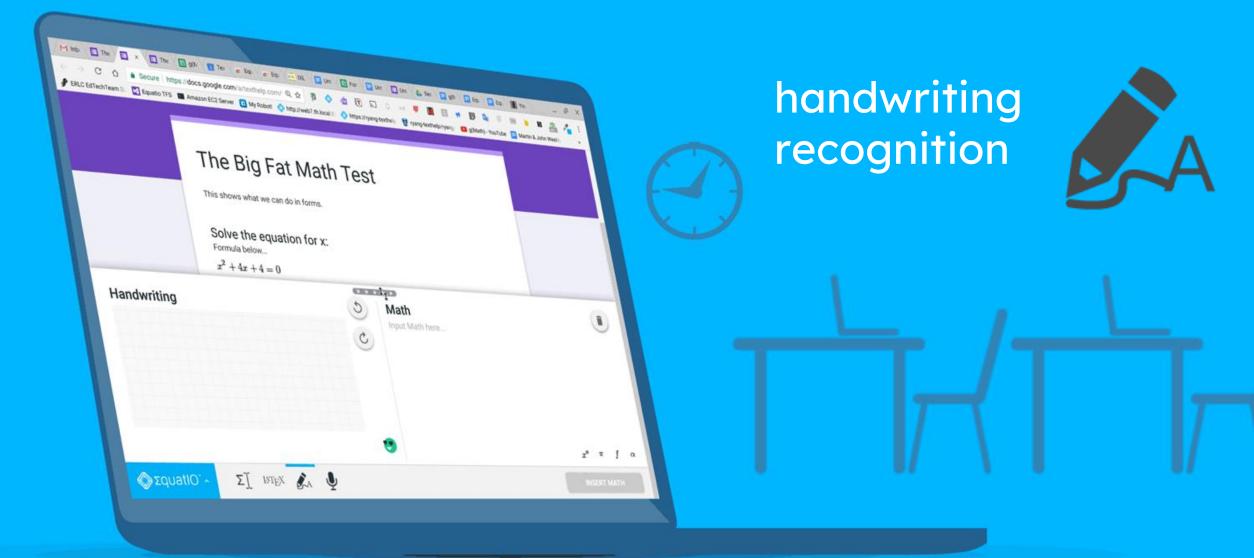
### **Desmos Accessibility**





- Watch the video to the left to learn more about Demos accessibility features
- As Desmos makes improvements to accessibility in the future, we will update our product to match those adjustments

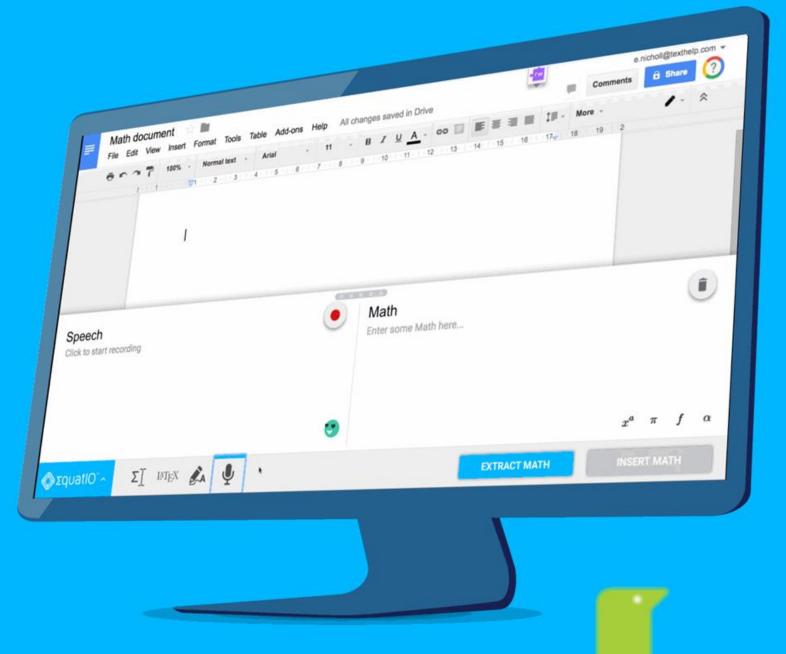




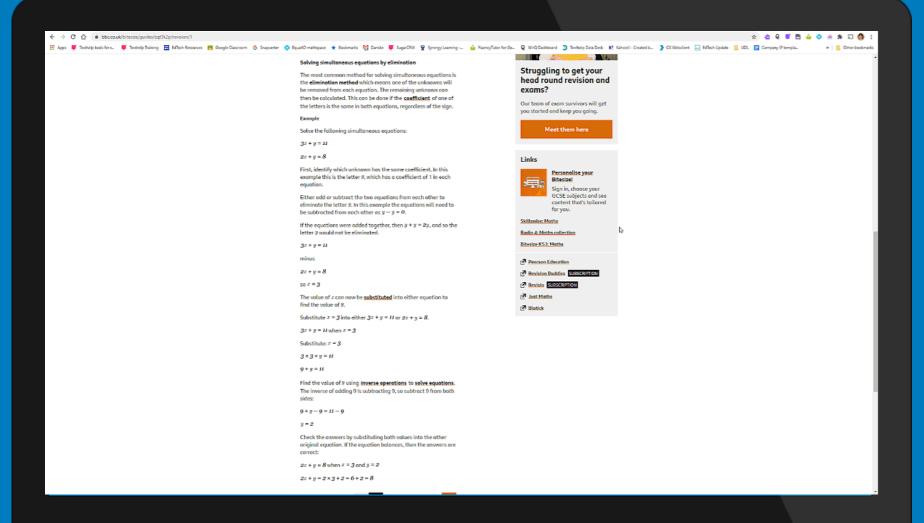


#### speech input





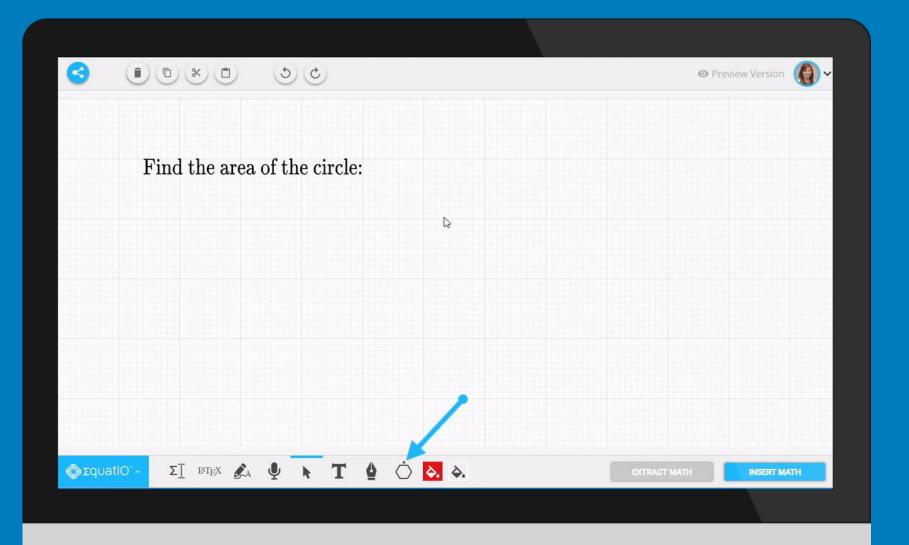




## screenshot reader



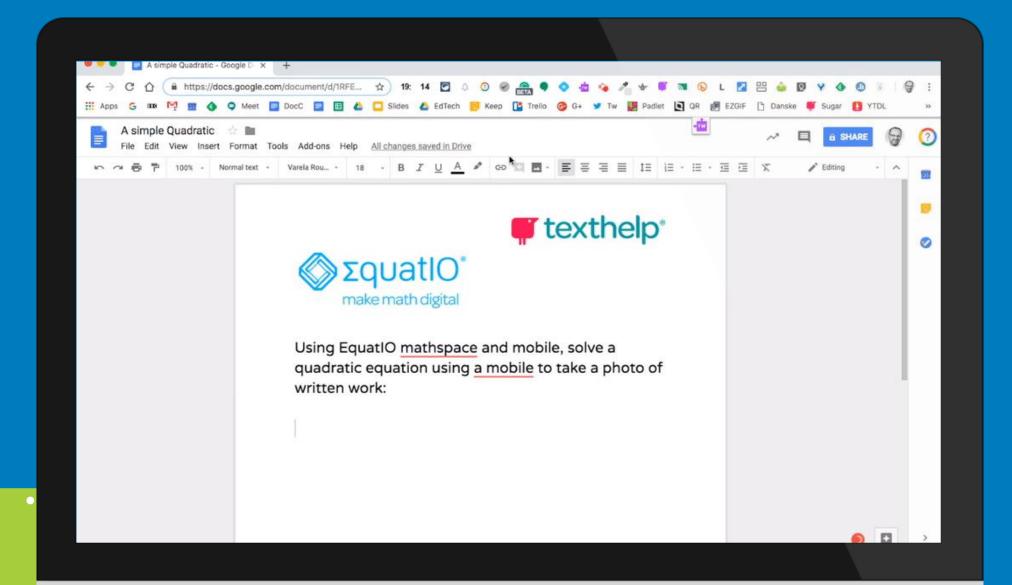




#### mathspace



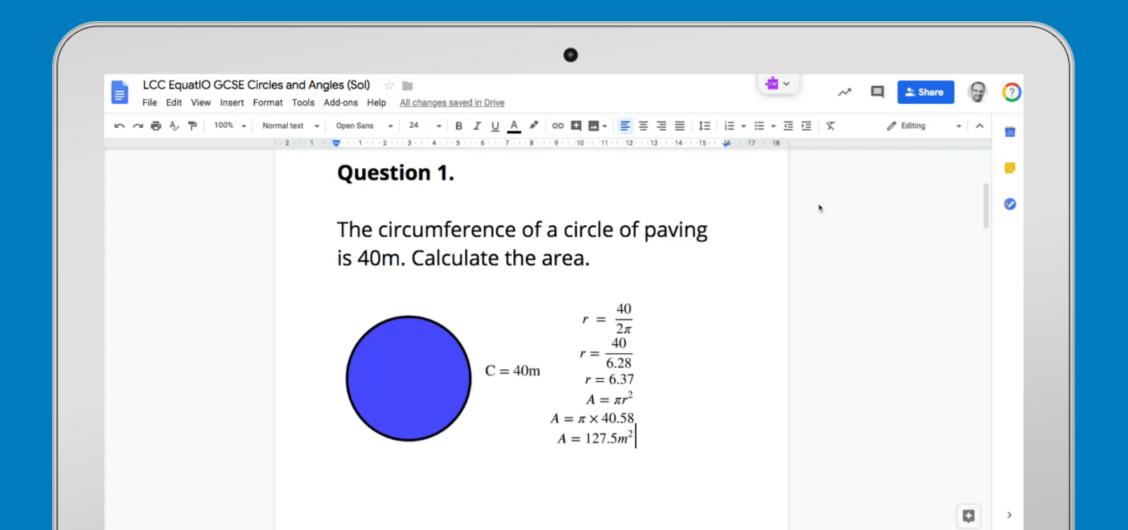




#### mobile

















LESSONS ~

**HW GUIDELINES** 

STUDY SKILLS QUIZ

FIND LOCAL TUTORS

Search Purplemath



#### **Select a Course Below**

#### The Quadratic Formula Explained

#### Standardized Test Prep

**ACCUPLACER Math** 

ASVAB Math

CBEST Math

CLEP Math

COMPASS Math

FTCE Math

GED Math

**GMAT Math** 

GRE Math

**NES Math** 

PRAXIS Math

SAT Math

TEAS Math

TSI Math

+ more tests

Discriminant

Disc. & Graphs

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#### **Purplemath**

Often, the simplest way to solve " $ax^2 + bx + c = 0$ " for the value of x is to factor the quadratic, set each factor equal to zero, and then solve each factor. But sometimes the quadratic is too messy, or it doesn't factor at all, or you just don't feel like factoring. While factoring may not always be successful, the Quadratic Formula can always find the solution.

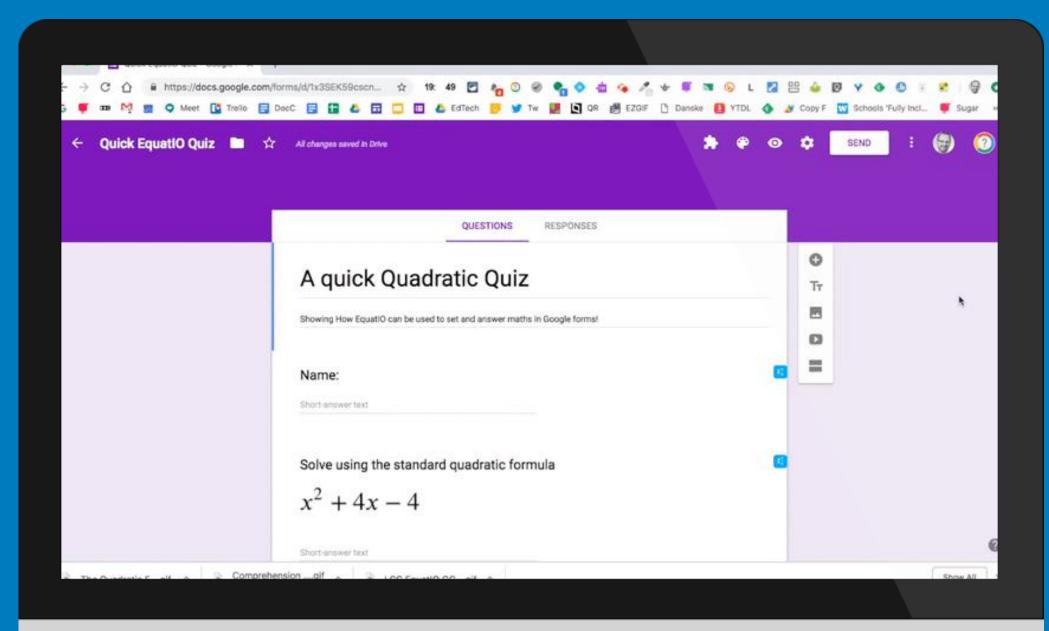
The Quadratic Formula uses the "a", "b", and "c" from " $ax^2 + bx + c$ ", where "a", "b", and "c" are just numbers; they are the "numerical coefficients" of the quadratic equation they've given you to solve.

#### MathHelp.com



Practice The Quadratic Formula













#### 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



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



text.help/future-building

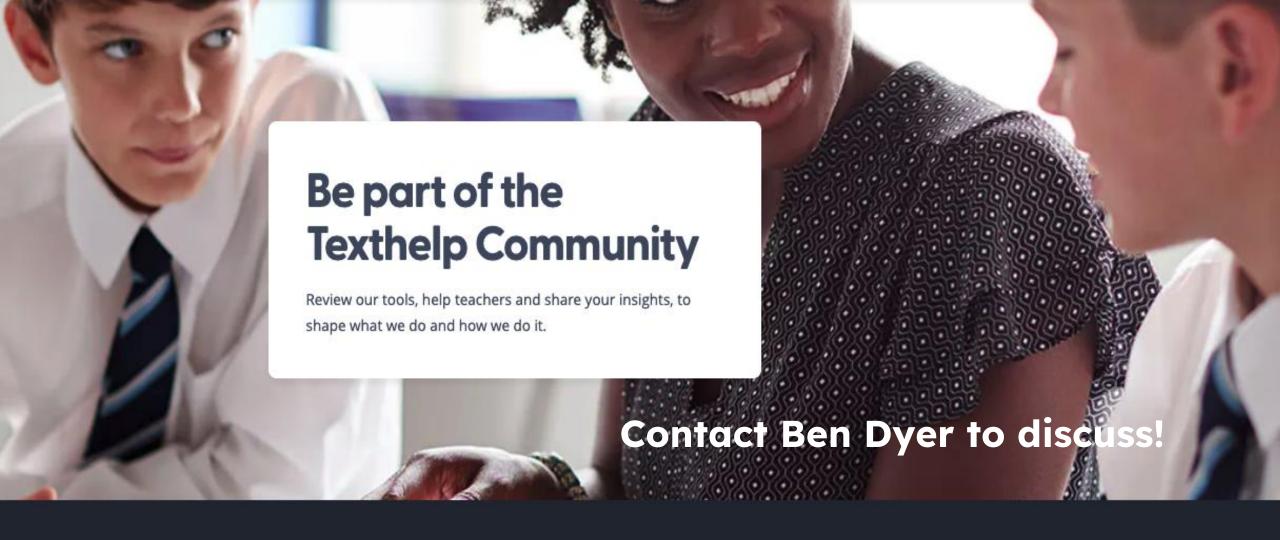
SAVE THE DATE 4th May 2022

## Future Building in education





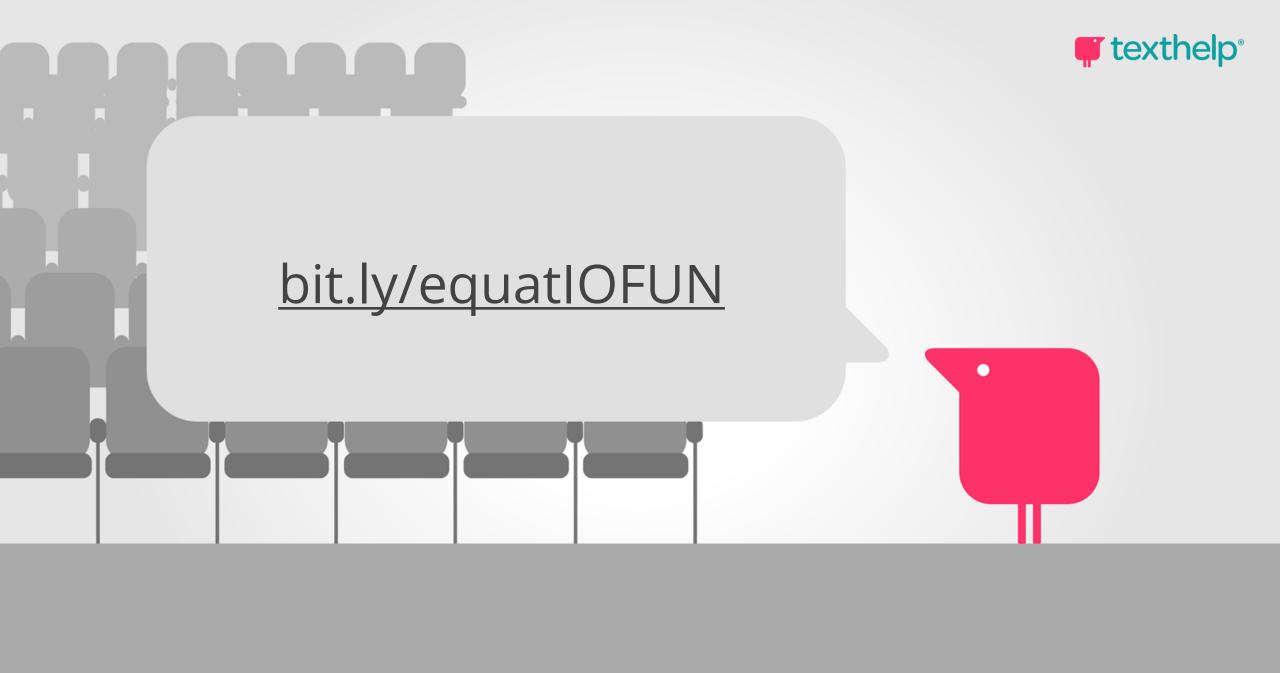
Resources & help along the way

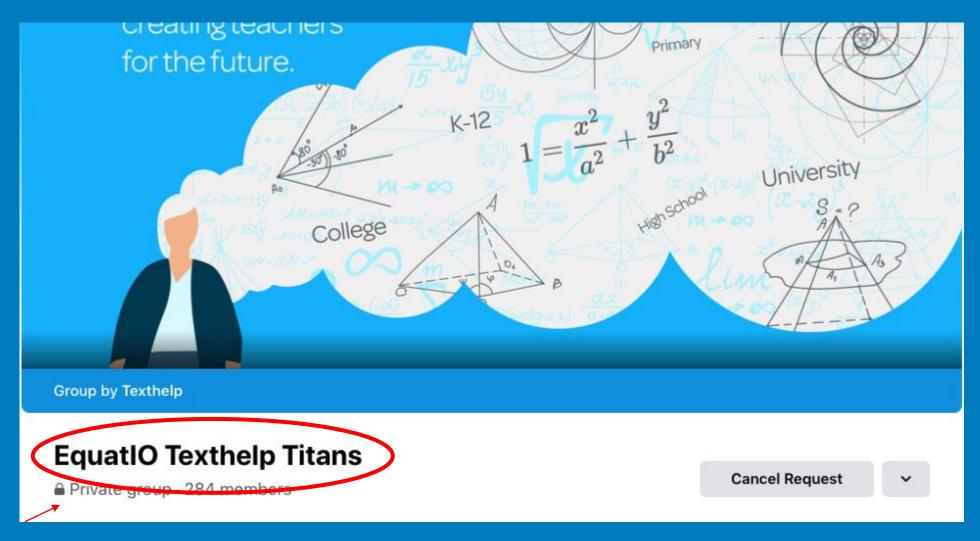


At Texthelp our customers are at the centre of everything we do.

We love getting your feedback and finding out the impact that

our tools are having on teaching and learning.





search for

# Thank you for listening! Any questions?



# Get in touch, I'm here to help.



**Thanks for watching!** 

b.dyer@texthelp.com

@TH\_BenDyer

+61(0)74913-0609