# Equatio Quickstart: Windows/Mac App

**Revised:** March 2, 2023

## Download App

Download the app from the link below, and install the app following the instructions given.

* [Window/Mac App Download](https://fastdownloads2.texthelp.com/equatio_desktop/version/index.html?_ga=2.37095719.664048257.1565272996-2074542618.1564752128)

## Authentication for Activation

1. Open the installed application
2. When the app asks for authentication: Select the option for **Microsoft Office 365.**
3. On the next screen, enter your Penn State email address (e.g. [xyz123@psu.edu](mailto:xyz123@psu.edu))
4. You will be authenticated through Penn State Web Access.

## Bottom Toolbar

The toolbar below provides the following options

Toolbar screenshot. See text below for description of icons.

* Equation Editor (Σ summation icon)
* LaTeX Editor
* Handwriting Recognition (pencil icon)
* Speech Input (microphone icon)
* Graph Editor (sine wave icon)
* Equatio Mobile (smart phone icon)
* Screenshot Reader (dotted box icon)  
  **Note:** This option includes text to speech reading of an equation which has been scanned.
* Stem Tools with three options

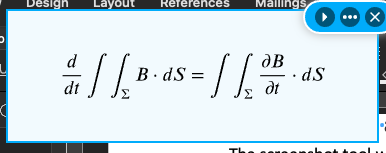
1. Periodic Table
2. Scientific Calculator, which includes Braille output and input.
3. Molecular Viewer

## Screenshot Reader Tool to Extract MathML/LaTeX

The **Screenshot Reade**r tool (dotted box icon) within the Windows and Mac app has two functions which enhance content accessibility.

* The tool allows a reader to highlight an equation image and hear it spoken aloud.
* Once scanned, a user can extract LaTex or MathML content and import it to other applications. See details below.

### Scan and Read Equation Aloud

1. Launch Equatio and make sure the bottom toolbar is showing.
2. Open any file which contains an equation.   
   **Note:** This tool works with web sites, slides, images, PDF files, Word files and more.
3. Highlight the screenshot (dotted square icon) in the toolbar. A blue box appears around your entire monitor screen.
4. Use your mouse to draw a box around the equation. The image will be processed.
5. When the processing is complete, the image will be reformed.  
   
6. Click the **Play** (triangle icon) button to hear the equation spoken aloud.  
   **Note:** To change the spoken voice, click the Equatio logo on the left side of the toolbar, then **Options**, then **Speech**.
7. Click the **Stop** (square icon) button to pause playback. Click the **Play** button to resume the audio.
8. Click the **Close** (X icon) to exit the equation.

### Tips to Enhance Scan

Some tips to enhance the success of a scan include.

* Zoom in to enlarge an equation and make the characters clearer.
* Make sure the bottom of your document is above the toolbar. In some cases, you may need to exit Equatio, re-position your document, then re-open Equatio.

### Extract MathML or LaTeX

1. Follow steps #1-5 to scan the math content.
2. In the upper right of the tool bar, click the **More Options** button (3 dots icon) to open a menu.
3. Select **Copy MathML, Copy LaTeX** or another export option as needed. This content can be pasted in another document.  
   **Note:** The machine-generated code may need some editing.

See the notes on the following pages for possible workflows.

### Canvas Equation Editor

1. Follow the steps in the previous section and select **Copy LaTeX** as the export option.
2. In Canvas, open the Canvas Math Editor and switch to the **Advanced** view.
3. Paste and edit the LaTeX code. The MathML output for screen readers is generated when the content is saved. See the [Canvas Math Accessibility](https://accessibility.psu.edu/software/canvas/canvasmath/) pages for technical details.

**Note:** Another option is to select **Copy MathML**, then paste the code into the **Rich Content Editor** in HTML code view. The content will be visible as an equation when the content is published.

### Equation Editor for Word

The Word Equation editor

1. Follow the steps above and select **Copy LaTeX** or **Copy MathML** as the export option.
2. In Word, open a blank equation using the Insert tab or the keyboard combination **Control**-**=**.
3. Paste then proof and edit the LaTeX or MathML code as needed into the equation box.
4. Hit **Enter/Return** to convert the equation to a visual form as needed.

**Note:** The same procedure also works for the Wiris MathType application.

### Equatio for Word.

An Equatio plugin is available for Word, but the output is an image with spoken math as the image ALT text. We recommend the Word Equation editor or MathType instead for Word files.

### Web Site with MathJax

1. Follow the steps above and select **Copy MathML** as the export option.
2. Open any site or text editor which displays HTML code.
3. Paste and edit the MathML code within the source or HTML view in Canvas, Sites, Drupal, Dreamweaver or whatever platform you are using.  
   **Note:** You can also store MathML snippets in a text file for future use.

## Getting Support

### Equatio Documentation

* [Getting Started: Windows/Mac App](https://support.texthelp.com/help/getting-started-with-equatio-windowsmac)

### YouTube Video Demos

* [Getting Your Students Started with Equatio (3:08)](Getting%20your%20students%20started%20with%20EquatIO)
* [Live Demo (23:42 min)](https://www.youtube.com/watch?v=R1mLUgF-gFs)
* [Introducing Equatio (2:23 min)](https://www.youtube.com/watch?v=BWmPQ7mcKrM&list=PLvSZbmGbKpCRz3o-FmU9AkEpURs9-Z0nH)

## Contact Penn State Support

* Email the support team at [accessibility@psu.edu](mailto:accessibility@psu.edu).