**Applying the Math Accessibility Enhancement Script**

This guide explains how to upload and apply the Canvas-Math-Accessibility-Enhancement.js file to your Canvas LMS instance. This script improves the accessibility of math content for screen readers, including **ReadSpeaker**, **NVDA**, and **VoiceOver**.

**✅ What the Script Does**

* Forces MathJax (v2.7.7) to use the **HTML-CSS renderer** instead of SVG.
* Makes mathematical expressions readable by screen readers like **ReadSpeaker**.
* Does **not** affect visual appearance or performance.
* Applies to all math rendered using MathJax in Canvas.
* Safe, reversible, and non-destructive.

**🛠️ Step-by-Step Instructions**

**🔐 Prerequisites:**

* You must have admin access to **Canvas Theme Editor** for your institution's root account.
* You should have the file:  
  Canvas-Math-Accessibility-Enhancement.js

**1. Log in to Canvas as an Admin**

* Go to your institution’s Canvas URL
* Click **Admin** in the global navigation
* Select your **Root Account**

**2. Open the Theme Editor**

* In the left-hand menu, go to:  
  **Themes** → Select your active theme (or create a new one)
* Click **“Open in Theme Editor”**

**3. Go to the Upload Tab**

* In the Theme Editor, click the **Upload** tab at the top
* Scroll down to the **JavaScript** section

**4. Upload the Script**

* Click **“Choose File”** under the JavaScript section
* Select the file:  
  Canvas-Math-Accessibility-Enhancement.js
* Click **Upload**

**5. Preview the Changes**

* After uploading, click **“Preview Your Changes”**
* Navigate to a Canvas page with mathematical equations (e.g., a page using LaTeX or math expressions)
* Confirm that:
  + Equations render the same visually
  + Screen readers like **ReadSpeaker** can now read them aloud

**6. Apply the Theme**

* If everything looks good, click **“Apply Theme”** (top-right corner)
* This will deploy the updated theme across your institution's Canvas instance

**🔁 To Remove or Revert**

If needed, you can easily undo this change:

* Return to the **Theme Editor**
* Remove the Canvas-Math-Accessibility-Enhancement.js file from the JavaScript section
* Apply the theme again

**💡 Additional Notes**

* This script only affects how math is rendered — it does not interfere with other content or styles.
* It helps meet accessibility standards (e.g., WCAG 2.1) by improving screen reader support for math.
* No impact on performance or appearance for sighted users.

If you need help testing math with ReadSpeaker, open a Canvas page with math content and activate ReadSpeaker’s **“Listen”** feature. You should now hear the equations read aloud correctly.