How to fix Moodle content loading older MathJax libraries.

Moodle is configured to load the MathJax javascript library version 3.2.2. This is the latest version of the library at time of writing. The library is loaded onto every page in Moodle and this should allow MathJax code to be added wherever needed and to display formulae correctly.

Some content pages are being configured to load older versions of the library in the page content. This way of loading will happen after Moodle loads the library for the page and can cause some conflict meaning that formulas are not rendered correct and instead get a "Math processing error".

To check if the content is loading the library edit the content of the page/resource and view as code rather than the rich text editor as follows.

- With edit mode turned on, at the top right of the site
- Click on the 3 dots dropdown for the resource
- The sub menu should display 'Edit settings', click on 'Edit settings'
- The settings screen should display. Depending on the resource type the content can be in the description field or the content field.
- Find the correct content field and click on the code view button '</>'
- The html markup will be displayed in the editor. Scroll through the editor window and look for code that looks similar to "`<script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0 /MathJax.js?config=TeX-AMS-MML_HTMLorMML-full"></script>`" the library version in this example is 2.7.0, but any 2.7.* version will cause the issue. Another example is `<!-- dynamically load mathjax for compatibility with self-contained -->`
  ```
  <script>
      (function() {
          var script = document.createElement("script");
          script.type = "text/javascript";
          script.src =
  "https://mathjax.rstudio.com/latest/MathJax.js?config=TeX
  -AMS-MML_HTMLorMML";
  document.getElementsByTagName("head")[0].appendChild(scri
  pt);
  })();</script>
  ```
- Once the MathJax code is located delete the entire line including the `<script …` `</script>` then save the content.
- Return to the page / content and check the MathJax code is displaying as expected without the "Math processing error".

If the problem persists, please contact the TEL team tel@bath.ac.uk