How to write complex questions using MathJax

Moodle Help & Support

**How to: Write scientific equations using MathJax and LaTeX**

There is an equation editor in the expanded formatting toolbar in every description, summary related text-box e.g. Labels, Quiz questions, Page etc. To use the editor you need to be able to write code using either MathJax (preferable) or LaTeX. There are lots of websites out there to help you, especially with complex equations. Here is a basic guide to getting started with the equation editor using MathJax.

**Accessing the equation editor**

- Go into your module in Moodle
- Click ‘Add an activity or resource’
- Within the settings of the activity/resource will have at least one large text box e.g. Description or Summary. Expand the formatting toolbar using the icon on the far left of the toolbar.
- Click on the button to open the equation editor

**Equation display types**

There are two types of equation displays.

1. **Inline.** This is when the equation forms part of a sentence and appears as the same height as the text e.g. when used in the text of a question.
2. **Displayed.** This is when the equation appears larger than the text, usually used as an example of an equation between two paragraphs.

**Similar tutorials**

The following other resources are also relevant to this topic:

- How to Add questions to a Moodle quiz
How to create a label

Queries, comments or questions?

Please contact your local elearning support team.

Incorrect?

If you have any comments on how you think this help can be improved then please email Learning-Technologies@nottingham.ac.uk