



# mAuthor Modules List

HTML5 authoring platform with WYSIWYG editor

This document enlists all modules available within the mAuthor editor to be used in interactive, digital content presentations, lessons and e-books.

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mAuthor Modules List

# Activities

## 1. Basic Math Gaps

Basic Math Gaps is used to quickly create simple mathematical expressions like addition, subtraction, multiplication or division.

[| see sample](#) | [documentation](#) |

## 2. Board game

Enables creating a simple game with moveable elements and defined fields. When the game includes fields, they are only places on the board where a user can drop the elements.

[| see sample](#) | [documentation](#) |

## 3. Choice

Enables inserting a choice activity into a presentation, where it is possible to define correct and wrong choice options.

[| see sample](#) | [documentation](#) |

### 1. **Single choice**

Enables inserting a single choice activity into a presentation, where it is possible to define one correct answer.

### 2. **Multiple choice**

Enables inserting a multiple choice activity into a presentation, where it is possible to define more than one correct answer.

## 4. Clock

The addon allows users to create activities related to clock and time.

[| see sample](#) | [documentation](#) |

## 5. Connecting dots

Enables making a puzzle containing a sequence of numbered dots. Choosing the consecutive numbers starting from one allows drawing lines that connect the points.

[| see sample](#) | [documentation](#) |

## 6. Connection

Allows creating an activity with two columns of items (texts or images) which match one another.

[| see sample](#) | [documentation](#) |

### 1. **Single connection** mode

Each item works in a single connection mode.

### 2. **Multiple connection**

Each item works in a multiple connection mode

## 7. Count and graph

A simplified version of the Graph addon – allows inserting a ready-made bar graph into a presentation.

[| see sample](#) | [documentation](#) |

## 8. Crossword

Allows inserting a ready-made crossword puzzle into a presentation.

[| see sample](#) | [documentation](#) |

## 9. Figure Drawing

Allows adding a set of grid points where by choosing two points you can draw or remove the segment connecting the two points. This addon can be used to draw figures.

[| see sample | documentation |](#)

1. In the drawing mode, it is possible to use either the click & click operations to select the two points that make a segment or drag the line from one point to another with the drag & drop method.
2. In the coloring mode, the already drawn figures can be colored using the available color palette.

## 10. Fractions

This addon allows creating activities that include parts of two geometrical figures: a circle and a rectangle.

[| see sample | documentation |](#)

## 11. Image source

A draggable image that should be placed in the corresponding Image gap module. Each image and each gap constitute separate modules – Image source and Image gap respectively.

[| see sample | documentation |](#)

## 12. Image gap

An empty box which should be filled in with a relevant item (image) from an Image source module. Each gap and each image are separate modules – Image gap and Image source respectively.

[| see sample | documentation |](#)

## 13. Image identification

Allows adding a multiple image selection activity to a presentation. Each element works in a single selection option mode.

[| see sample | documentation |](#)

## 14. Graph

The Graph addon allows inserting a ready-made bar graph into a presentation.

[| see sample | documentation |](#)

## 15. Hangman

The Hangman addon allows embedding the hangman game functionality in their presentations.

[| see sample | documentation |](#)

1. **Multiple phrases** – it is possible to set more than one phrase in the addon. A user will be able to switch between them via the addon's commands (`nextPhrase()`, `previousPhrase()` and `switchPhrase()`).

## 16. Line number

The Line Number module is used to draw the X-axis ranges.

[| see sample | documentation |](#)

## 17. Math

The Math addon has been developed for all teachers who prepare math presentations. With this addon, a teacher can create both simple and complicated equations and as inputs use Text module gaps. [| see sample | documentation |](#)

## 18. Magic Boxes

Allows adding a ready-made word search activity to a presentation.

[| see sample](#) | [documentation](#) |

## 19. Memo game

Allows creating a simple game that checks the user's ability to match different pairs of items. A user can check what is "under" the card by clicking on it, but the card turns back to its hidden state in case of a mismatch.

[| see sample](#) | [documentation](#) |

## 20. Multiple gap

Multiple Gap is a box where multiple image or text items from Image or Source list should be inserted.

[| see sample](#) | [documentation](#) |

## 21. Line selection

This addon allows adding selectable lines to a presentation.

[| see sample](#) | [documentation](#) |

## 22. Paragraph

Enables entering a free form text. It also allows providing basic formatting in a WYSIWYG way (similar to MS Word and other rich text editors).

[| see sample](#) | [documentation](#) |



## 23. Paragraph eKeyboard

Enables typing in a free form text using basic WYSIWYG formatting. It also allows entering national chars from a virtual keyboard attached to a text field.

[| see sample](#) | [documentation](#) |

## 24. Pie chart

Enables presenting a pie chart. This can be used both as a presentation/simulation or as an activity, where a student can change percentage values.

[| see sample](#) | [documentation](#) |

## 25. Plot

The Plot drawing/exercise module allows presenting plots and make plot/points based activities. Plot enables drawing functions  $f(x)$  and  $f(y)$ .

[| see sample](#) | [documentation](#) |

The addon may work in 4 modes:

1. **simple plot functions** - set all expressions/selectable and expressions/correct to false
2. **choose function** - user has to select correct plot - define all clickable functions to true (expressions/selectable) and set appropriate answers (expressions/correct)
3. **choose points** - if user defines points, module shows clickable points on grid intersections. It is important to note that the answer should be a point on that intersection. It must be defined which points are correct.
4. the addon can work as a base module for plot type addons and communicate with them through the interface.

## 26. Points and lines

Enables presenting a set of points on a plane where by choosing two points you can draw or remove a segment connecting the two points.

[| see sample](#) | [documentation](#) |

## 27. Points to plot

The addon is the extension to the Plot addon and it allows defining the points or the number of points to be selected in the Plot activity.

[| see sample](#) | [documentation](#) |

## 28. Puzzle

Enables inserting a ready-made puzzle game into a presentation. It is enough to upload an image which is later automatically divided into separate items and put in rows and columns.

[| see sample](#) | [documentation](#) |

## 29. Ordering

A ready-made activity template with different, pre-defined items (texts or images), which are automatically disarranged and the user's task is to order them.

[| see sample](#) | [documentation](#) |

## 30. Source list

Source list is closely related to Text and Multigap modules. It enables inserting a ready-made list of text items to be put into a cloze activity.

[| see sample](#) | [documentation](#) |

### 31. Sudoku

This addon allows creating activities based on Sudoku games  
[| see sample](#) | [documentation](#) |

### 32. Table

Allows adding ready-made tables into presentations enabling users to easily organize their table-based activities.  
[| see sample](#) | [documentation](#) |

### 33. Text

Enables inserting different parts of text into a presentation, including a type of task called "gap".  
[| see sample](#) | [documentation](#) |

A text gap consists of different activity types:

1. **a drop-down gap** which enables choosing answers from a drop-down menu,
2. **a draggable gap** which can be filled in with an item selected from the Source list module
3. **an editable gap** that enables typing text manually into it,
4. **a math gap**, which is an editable gap working with MathJax.
5. **a filled gap**, which is an editable gap with a placeholder.

## 34. Text identification

Allows adding a multiple text selection activity with HTML content to a presentation. Each element works in a single selection option mode.

[| see sample](#) | [documentation](#) |

## 35. Text selection

The addon allows marking / selecting parts of text as correct and wrong phrases.

[| see sample](#) | [documentation](#) |

You can work in two modes:

1. **Mark phrases to select**, where you can mark wrong and correct answers,
2. **All selectable**, where all phrases are selectable and you can mark only the correct answers

## 36. True/False

An alternative for the Choice module. It allows putting a single or a multiple-choice activity in a presentation.

[| see sample](#) | [documentation](#) |

## 37. Writing calculations

Allows creating writing calculations – multiplication, division, addition, or subtraction activities.

[| see sample](#) | [documentation](#) |

mAuthor Modules List

# Media

## 38. 3D viewer

The 3D Viewer addon allows embedding 3D models saved in the Wavefront OBJ file format.

[| see sample](#) | [documentation](#) |

## 39. Animation

The Animation addon allows adding the animation made from a single image to a presentation.

[| see sample](#) | [documentation](#) |

## 40. Audio

Allows playing audio files in mAuthor presentations. This addon works on all common browsers.

[| see sample](#) | [documentation](#) |

## 41. Coloring

The Coloring addon offers the ability to upload an image which can be later colored.

[| see sample](#) | [documentation](#) |

## 42. Drawing

Enables drawing images on the digital canvas. It is possible to define the line thickness and color in the editor.

[| see sample](#) | [documentation](#) |

## 43. Edge animation

Allows embedding animations and other projects created in the Adobe Edge Animate software.

[| see sample](#) | [documentation](#) |

## 44. Glossary

Enables prepare a glossary function. After triggering a proper command from another module, a selected word together with its description will appear in a modal dialog box.

[| see sample](#) | [documentation](#) |

## 45. Image

Enables, as its name suggests, inserting an image into a presentation. It is possible to customize the look of the Image module's frame.

[| documentation](#) |

## 46. Image viewer

Allows embedding simple animations where new frames are shown on a mouse click. It also enables adding a sound notification on a changing frame.

[| see sample](#) | [documentation](#) |

## 47. Image viewer button controlled

This addon is an extension to Image Viewer. It has one additional command – changeFlag, allowing its integration with modules like Double State Button.

[| see sample](#) | [documentation](#) |

## 48. IWB toolbar

IWB Toolbar is a set of tools to help teachers in conducting lessons and giving presentations. It has been specially designed to work with IWB (Interactive Whiteboard).

[| see sample](#) | [documentation](#) |

## 49. Layered image

Allows embedding multilayered images into presentations. Each layer is represented by an image with transparent elements (alpha channel).

[| see sample](#) | [documentation](#) |

## 50. Line

Allows embedding lines with different shapes of a line's arrowhead and various rotation angles.

[| see sample](#) | [documentation](#) |

## 51. Multi audio

An upgraded version of the Audio addon. New features: multi audio files, loop for each file, the possibility of assigning ID to each file in order to jump between files, improved interface selection.

[| see sample](#) | [documentation](#) |

## 52. Shape

The Shape module can look differently according to its styling. In presentations, it is commonly used as a decorative graphical element. | [documentation](#) |



## 53. Shape tracing

Allows checking the correctness of written signs. The addon consists of the following layers (in top-to-bottom order): two drawing layers (the area where you can draw, it has no effect on other layers), correct image, background image, shape image (it can be hidden or visible).

[| see sample](#) | [documentation](#) |

## 54. Slideshow

Enables embedding a slideshow presentation together with the corresponding audio recording.

[| see sample](#) | [documentation](#) |

## 55. Standard shapes

Allows embedding basic shapes into a presentation, including squares, rectangles, or circles.

[| see sample](#) | [documentation](#) |

## 56. SVG

Allows inserting an SVG into a presentation, based on an uploaded file.

[| see sample](#) | [documentation](#) |

## 57. Swiffy animation

Enables embedding animations and other projects created in Adobe Flash and converted with the Google Swiffy plugin.

[| see sample](#) | [documentation](#) |

## 58. Text audio

The addon allows playing sounds with subtitles in their presentations. Works on all common browsers.

[| see sample](#) | [documentation](#) |

## 59. Video

Enables uploading and embedding video files in a presentation. Supports 3 video formats: MP4, OGG Video, WebM.

[| see sample](#) | [documentation](#) |

## 60. Vimeo

Enables uploading a Vimeo movie into a presentation. To make it work, it is enough to enter the Vimeo movie ID in the Properties section.

## 61. YouTube

Allows adding a YouTube video to a presentation. It can be done by entering a video ID or its URL (either full or shortened version).

[| see sample](#) | [documentation](#) |

## 62. Zoom image

Enables displaying two versions of an image. To display a full screen image, simply click on the area in the bottom-right corner of the addon.

[| see sample](#) | [documentation](#) |

mAuthor Modules List

# Navigation

## 63. External link button

Enables opening a new window/tab with external resources when the button is clicked.

| [see sample](#) | [documentation](#) |

## 64. Assessments navigation bar

Allows adding a navigation bar to a presentation, which navigates to sections specified in the "Sections" property.

| [see sample](#) | [documentation](#) |

## 65. Close popup button

The button closes a corresponding popup window.

| [documentation](#) |

## 66. Go to page button

Allows adding a button that navigates to the specific page in a presentation.

| [documentation](#) |

## 67. Navigation bar

Allows adding a ready-made navigation bar to a presentation. Since it doesn't require any additional configuration, it is enough to insert it into a presentation and enjoy its functions.

| [see sample](#) | [documentation](#) |

## 68. Next

Next module works in a similar way to Next Page button allowing to move on to the next page, however, it first checks whether all activities on a current page have been attempted and the Submit button has been used.

[| see sample](#) | [documentation](#) |

## 69. Next page button

Allows adding a button that navigates to the next page in a presentation.

[| documentation](#) |

## 70. Open popup button

The button opens a corresponding popup window.

[| documentation](#) |

## 71. Page counter

Allows to add a page counter to a presentation. It can present a current page index and a presentation page count in a normal or reversed order.

[| see sample](#) | [documentation](#) |

## 72. Page name

Displays a current page name.

[| see sample](#) | [documentation](#) |

## 73. Previous page button

Allows adding a button that navigates to the previous page in a presentation.

[| documentation |](#)

## 74. Table of contents

Displays a presentation's table of contents together with links to corresponding pages.

[| see sample | documentation |](#)

mAuthor Modules List

# Reporting

## 75. Animated lesson progress

Enables inserting an animated page progress which shows images depending on the percentage result of the entire lesson.

[| see sample](#) | [documentation](#) |

## 76. Animated page progress

Allows inserting an animated page progress which shows images depending on the percentage result on page.

[| see sample](#) | [documentation](#) |

## 77. Check answers button

Allows adding a button clicking on which will show whether the answers given on a current page are correct or wrong.

[| documentation](#) |

## 78. Check counter

Displays the number of times the Check button has been used on a current page.

[| documentation](#) |

## 79. Completion progress

Enables inserting a ready-made progress bar indicating the percentage of attempted activity modules on a current page.

[| see sample](#) | [documentation](#) |



## 80. Custom scoring

Allows binding multiple modules and create fully interactive activities with one common scoring functionality.

[| see sample](#) | [documentation](#) |

## 81. Done

This addon is closely connected with Submit. It checks whether all activities on a page have been attempted and the Submit button has been used. Then it sends the 'Done' event.

[| see sample](#) | [documentation](#) |

## 82. Hierarchical lesson report

Enables inserting a ready-made hierarchical lesson report into a presentation. Apart from the features provided by the common Lesson Report module, Hierarchical Lesson Report also supports hierarchical lesson structure and displays summary values for all presentation chapters.

[| see sample](#) | [documentation](#) |

## 83. Error counter

Displays the number of mistakes made on a current presentation page.

[| see sample](#) | [documentation](#) |

## 84. Lesson error counter

Enables displaying a summed number of errors of the entire lesson.

[| documentation](#) |

## 85. Lesson progress

Enables embedding a ready-made Lesson progress bar indicating a percentage progress made in a lesson together with correct answers, checks, maximum score and errors/mistakes.

[| see sample](#) | [documentation](#) |

## 86. Lesson report

Enables inserting a ready-made lesson report, including percentage results for each individual page in a presentation, a total percentage result, and a number of checks and errors. It is possible to modify the look of each part of the report individually.

[| documentation](#) |

## 87. Lesson reset

Allows adding a button clicking on which will reset score in a whole lesson.

[| see sample](#) | [documentation](#) |

## 88. Lesson score counter

Shows the score and/or the max score for the whole lesson.

[| documentation](#) |

## 89. Page score counter

Displays the score and max score values on a current presentation page.

[| see sample](#) | [documentation](#) |

## 90. Page progress

Allows inserting a ready-made page progress bar indicating the percentage of correct answers given on a current page.

[| documentation |](#)

## 91. Page rating

The Page Rating addon allows adding the rating function to a presentation page.

[| see sample | documentation |](#)

## 92. Print report

Enables printing a ready-made lesson report customized to user's own preferences.

[| see sample | documentation |](#)

## 93. Reset buttons

Allows adding a button clicking on which will reset the answers given on a current page.

[| documentation |](#)

## 94. Limited check

Allows adding a button clicking on which will show whether the answers given in the specified modules are correct or wrong.

[| see sample | documentation |](#)

## 95. Limited reset

Allows adding a button clicking on which will reset answers given in the specified modules.

[| see sample](#) | [documentation](#) |

## 96. Show answers

Enables users to view correct answers for all activities on a page.

[| see sample](#) | [documentation](#) |

## 97. Submit

Allows checking whether a user has attempted to complete all activities on a given page. If not, the addon sends a relevant message.

[| see sample](#) | [documentation](#) |

mAuthor Modules List

# Scripting

## 98. Advanced connector

An advanced version of the Connector addon that allows to combine multiple addons and modules in fully interactive, responsive activities.

[| see sample](#) | [documentation](#) |

## 99. Connector

A special type of addon that allows to combine multiple addons and modules in fully interactive, responsive activities.

[| see sample](#) | [documentation](#) |

## 100. Double state button

Allows performing various actions in presentations, such as changing other addons' states when the button is selected/deselected.

[| see sample](#) | [documentation](#) |

## 101. eKeyboard

eKeyboard is a virtual keyboard displayed right after clicking on the input/textarea the module works with.

[| see sample](#) | [documentation](#) |

## 102. Event listener

Sends the properly prepared event to be retrieved by any module. This addon serves for checking the correctness of scripts in the Advanced Connector addon.

[| see sample](#) | [documentation](#) |

### 103. Event sender

Sends the properly prepared event to be retrieved by any module. This addon serves for checking the correctness of scripts in the Advanced Connector addon.

[| see sample](#) | [documentation](#) |

### 104. Feedback

Allows displaying feedback messages in any form that a regular text module can display, including images, HTML formatting and mathematical formulae. There are three categories (statuses) of feedbacks: positive, neutral, and negative.

[| see sample](#) | [documentation](#) |

### 105. Fractions binder

Allows controlling groups of the Fractions addons.

[| documentation](#) |

### 106. Logger

Imitates the JavaScript console in a browser, which in this case can be compared to a message board.

[| see sample](#) | [documentation](#) |

### 107. Menu panel

Allows creating multiple double state buttons that can be organized in a hierarchical structure.

[| see sample](#) | [documentation](#) |

## 108. Multiple audio controls binder

A special kind of addon that controls multiple audio playbacks based on their interactions with Double State Button addons.

[| see sample](#) | [documentation](#) |

## 109. Programmed drawing

Enables drawing by commands provided by the module.

[| see sample](#) | [documentation](#) |

## 110. Selectable addons binder

A special kind of addon which controls groups of selectable addons. After selecting one of the addons from a group, all other addons are deselected.

[| see sample](#) | [documentation](#) |

## 111. Single state button

Allows performing various actions in presentations, such as changing other addons' states when the button is selected.

[| see sample](#) | [documentation](#) |

## 112. Slider

Allows adding the slider functionality to an activity. It is possible to either slide an image from one position to another or mouse click on the position that a slider is to be moved to.

[| see sample](#) | [documentation](#) |



mAuthor Modules List

# LearnPen

### 113. LearnPen data

Displays LearnPen Data from sensors in real time.

[| documentation |](#)

### 114. LearnPen drawing

Allows drawing images on a digital canvas using LearnPen. It is possible to define the line thickness, color and opacity in the editor.

[| see sample | documentation |](#)

### 115. LearnPen report

Displays data from LearnPen. It is possible to use one out of three different charts

[| documentation |.](#)