mAuthor

Multiplatform ePublishing Solution

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.

Learnetic
Everyone learns differently

mAuthor Modules List:

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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 cicrles.

| 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 wish 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 |.