

1. Puzzle Type: there are 4 types of puzzles to select from

- 1. Words Fill-In
- 2. Words Fill-In with scrambled words
- 3. Words Fill-In with scrambled words and numbered cells
- 4. Crossword Puzzles

2. Template:

Here you can select the template of your desired puzzle layout. You can edit or delete the existing templates or add new templates

3. Total Puzzles: The total number of puzzles to generate

4. Start Number: Saving the puzzle images starting with this number

5/6. Word Lists

This is where you select your wordlist(s) to generate puzzles from. You can select one or more wordlists that will appear in the box below. The generator will go through the list and selects the words from these lists.

7. Wordlists Controls

With these buttons you can add, delete or move the position of the wordlists

8. Use words only once

This will generate puzzles with words from the lists only used once.

9/10/11 Buttons to generate puzzles and their solution as PDF document, PPTX File or saved as images (PNG + SVG)

13/14. Preview. This will generate a single preview puzzle of the selected puzzle type and its template layout. The puzzle and solution will appear in the box above (14). You can use the + button to show a larger version and the > button to show different displays (puzzle, solution, solution layout)

15. Save Preview In case you want to save a preview puzzle + solution to file.

16. Replace in PowerPoint. With existing puzzles in a PpowerPoint presentation you can replace a selected presentation with the preview images and solution.

The screenshot shows a settings window with the following sections:

- Folder Settings:** A text input field containing the path "PYTHON PROJECTS\FREEFORM\Code\OUTPUT NEW" and a "Select Folder" button.
- Prefix Images:** A text input field containing "17x17_".
- Other Settings:** A spinner control set to "47" with the label "Percentage fill", and a checked checkbox labeled "Display Puzzle Number in Title".
- Translation:** Three text input fields labeled "Across", "Down", and "Letters", each containing its respective label.

At the bottom of the window, there are buttons for "Exit", "PDF", "PowerPoint", and "Save as Images". A vertical orange progress bar on the right side is labeled "100%". Below the buttons, a status box contains the text "Preview ready!".

Folder Settings

This is where you choose the folder where all images and files will be saved. Make sure the selected location allows read and write access — otherwise the app may not be able to store your files properly.

Percentage Fill

This setting controls how much of the puzzle grid must be filled with words. If a generated puzzle fills less than the chosen percentage, it will be discarded automatically.

To ensure a steady flow of generated puzzles, **keep the percentage below 52%**. Higher values may result in fewer puzzles meeting the requirement.

Puzzle Solutions Fonts Page

Puzzle Grid

Grid Width: 17 Grid Height: 17

Word Columns

Total: 5 Horiz. Gap: 20

Puzzle Grid Size and Position

Left Margin: 0.90 Top Margin: 0.60 Puzzle Width: 6.10

Words Size and Position

Left Margin: 0.80 Top Margin: 7.10 Words Width: 8.50

Grid Lines and Cells

Inside Borders: 1.00 Outside Border: 3.00

Cells with Letters: Empty Cells:

Boxed Grid

Templates

Delete Add New Save

Puzzle Grid: set the width and height of the grid

Word Columns: the number of word columns

Horizontal Gap: The space between the word columns

Puzzle grid size and Position

Left Margin + Top Margin in inches

Puzzle Width: sets the width size of the grid and adjusts its height accordingly

Words Width: Default is the width of the page (8.5 inches). Changing this will affect the font-size appearance.

Grid Lines and Cells:

Set the width of the borders and the colors of the borders and cells of the grid

Boxed Grid: Unchecking removes the display of the empty cells

Puzzle Solutions Fonts Page

Solutions Images per Page

Rows: 3 Columns: 2

Solution Images Margins (Offset)

Left Margin Offset: 1.00 Top Margin Offset: 0.70

Solution Images Gap (Offset)

Horizontal Offset: 0.50 Vertical Offset: 0.40

Reset to Default

Solution Images per page:

Here you can change the layout of the solution pages.

Solution images Margins Offset:

Here you can further adjust how your solution images are displayed on the pages. You'll only need this if the height and width of your puzzle grid differ significantly. Otherwise, you can leave it at the default settings.

Templates:

Here you can Save the edited templates, add new templates and delete templates. All settings and values from the entire interface will be saved with each template — so you can easily reuse your complete setup at any time.

Templates

Delete Add New Save

Puzzle Solutions Fonts Page

Puzzle Title
 Puzzle [Color Picker]
 Times New Roman, 22pt Font
 Horizontal Alignment: Center Vert. Gap: 0.13

Solution Title
 Solution [Color Picker]
 Times New Roman, 12pt Font
 Horizontal Alignment: Right Vert Gap: 0.05

Words Font
 Arial, 16pt [Color Picker] Font

Grid Font Solution
 Arial, 24pt [Color Picker] Font
 Vertical Offset: 1

Templates
 Delete Add New Save

Fonts

Here you can set the font, the font size and the font colors.

The **Vertical Gap** setting will increase or decrease the distance between the title and the puzzle grid.

The **Vertical Offset** inside the Grid Font Solution will change the vertical position of the letter inside the solution cells

Puzzle Solutions Fonts Page

Puzzle Pages
 1 Page 2 Pages
 Uniform Marges

Page Numbers
 Page [Color Picker]
 Times New Roman, 16pt Font
 Horizontal Alignment: Left Offset: 0.40
 Vertical Position: Top Offset: 0.13
 Show Page Numbers

Templates
 Delete Add New Save

Puzzle Pages:

With 1 page selected the puzzle grid and the puzzle words will appear on the same page.

With 2 pages selected the puzzle grid will appear on one page and the puzzle words will appear on the next page.

Uniform Marges:

When this option is selected, the left and right margins will be made the same on all pages — regardless of whether it's a left or right page. This means that mirrored margins (e.g., a wider inside margin for binding) will be disabled, and both sides will have equal spacing

Page Numbers:

Here you can select various layout options for the page numbers on the pdf or pptx file.

1. Words

Puzzle Types:

there are 4 types of puzzles to select from:

1. Words Fill-In
2. Words Fill-In with scrambled words
3. Words Fill-In with scrambled words and numbered cells
4. Crossword Puzzles

- Types 1, 2, and 3 use wordlists with single words — the word itself is placed into the puzzle.

- Type 4 (Classic Crossword) uses wordlists with two parts: the puzzle word and its corresponding clue.



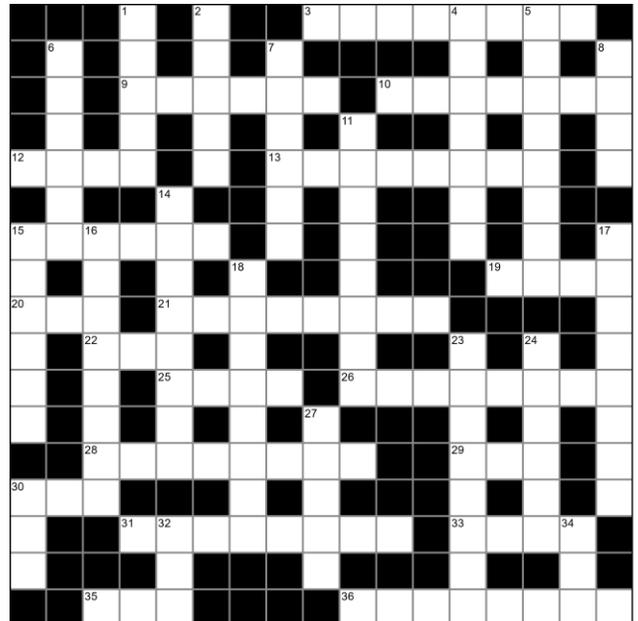
- | | | | | |
|------------------|------------------|------------------|---------|---------|
| 3 Letters | YAK | OKAPI | GAZELLE | TAMARIN |
| DOG | 4 Letters | 6 Letters | LADYBUG | TANAGER |
| EGG | NEST | CICADA | MEERKAT | TERMITE |
| EMU | PUMA | RABBIT | MOLLUSK | TUATARA |
| GAR | TUNA | TOUCAN | PELICAN | VULTURE |
| JAY | 5 Letters | 7 Letters | PIRANHA | WARTHOG |
| OWL | MIDGE | ABALONE | POMPANO | WHIPPET |
| PIG | NANDU | COPEPOD | SIAMANG | |

2. Scrambled Words



- | | | | | |
|------------------|------------------|------------------|---------|---------|
| 3 Letters | OOTN | OINPT | NOAITPP | USTOEID |
| DDA | EROP | URODP | LLEACRY | BRLEPMO |
| HSE | WIVE | URHGO | EVDPOLE | POOERSP |
| ETH | 5 Letters | RUHTT | SSIIMSD | IUVVRES |
| EYS | BRDOE | 6 Letters | ABGAEGR | ALTYTLO |
| 4 Letters | IRTYD | YLASAW | MRLIAMO | RTHEHWE |
| DRPO | YNEEM | 7 Letters | JEOLSAU | |
| HCEA | JNEYO | AODANNB | KNTIETD | |
| DNEE | MLPYI | HCOAOLL | GICLKNA | |

3. Scrambled Words + Number



- | | | | |
|---------------|--------------|--------------|--------------|
| Across | 22: NRO | Down | 15: AFETYS |
| 3: UHATYRDS | 25: EKNC | 1: TOUBD | 16: ILETNDYF |
| 9: ESNSUL | 26: ERASREHC | 2: HLEOL | 17: HOICGGUN |
| 10: ITRTYSH | 28: HTIOFRET | 4: LLUSFIK | 18: NGETACHI |
| 12: HEAT | 29: ADD | 5: TESULBOA | 23: DAAHCEE |
| 13: AILTFUHF | 30: UYB | 6: EMNCIA | 24: IFDREG |
| 15: OLARIS | 31: PSRRSEOG | 7: SEUULF | 27: HTERO |
| 19: OEHR | 33: ECWH | 8: RETY | 30: OXB |
| 20: EEF | 35: TIN | 11: TRNSMEII | 32: UNR |
| 21: LOTEAVER | 36: KROHWOEM | 14: ROEGONRV | 34: WRA |

4. Crossword (Puzzle Word + Clue Word)



With the Crossword Type puzzles each entry should include: → the puzzle word (what goes into the grid) → a short clue (shown in the Across/Down list)

You can create wordlists based on different kinds of relationships between the two. The example puzzle shows all kinds of animals with a description. Some more examples of wordlists you can find below.

Across

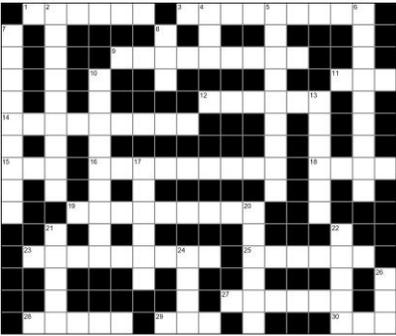
- 1: Battler in the ring
- 5: Snowbird species
- 8: Rabbit relative
- 9: Wild goose
- 11: Flying rodent
- 12: hoofed mammals
- 14: Primate relative
- 16: Antelope relative
- 21: Meat eaters lineage
- 22: Man's best friend
- 24: Tiny insect stage
- 25: Sea creature's meal
- 26: Antarctic resident
- 27: Prehistoric reptile
- 28: Sea duck species
- 29: Songbird species
- 6: River otter relative
- 7: Marine mammal
- 10: Bird of the Outback
- 13: Prehistoric animal
- 15: Prehistoric shark
- 17: Spot-covered canine
- 18: Burrowing rodent
- 19: Prehistoric relative
- 20: Seed-feeder bird
- 23: Venomous snake

Down

- 1: Tree-padded mammal
- 2: Bamboo-feasting bear
- 3: Fur-covered bandit
- 4: Freshwater fish

 Classic (Word + Simple Description) <ul style="list-style-type: none"> •ocean: large water •apple: fruit of paradise •piano: black & white keys •moon: earth companion •lion: king of jungle 	 Synonyms <ul style="list-style-type: none"> •fast: quick •happy: glad •cold: chill  School Topics <ul style="list-style-type: none"> •sun: star •map: atlas •leaf: green 	 Language Learning (Foreign Word → English Meaning) <ul style="list-style-type: none"> •casa: house •libro: book agua: water  Movie Stars (first name + last name as clue) <ul style="list-style-type: none"> •tom: cruise •sandra: bullock •leonardo: dicaprio
---	---	---

Puzzle1



Across

1: Mammal's tickler	23: Octopus relative	7: Giant bird's burden
3: Wading bird	25: Chatterbox bird	8: Airborne creature
9: Fur-covered bandit	27: Enigmatic bird	10: Oceanic predator
11: Insect defender	28: Stallion's vehicle	13: Silly dog breed
12: Tiny sea creatures	29: Solar beam	17: Herds' backbone
14: Prehistoric arthropod	30: Moose relative	20: Mysterious burrower
15: Nighttime flier	Down	21: Lizard on a wall
16: Sausage dog	2: Tiny armored mammal	22: Grouchy bird
18: Fishing boat variant	4: Primate mimic	24: Marine mammal
19: Tree-padded mammal	5: Oceanic mammals	26: Hooved mammal woolly
	6: Microscopic parasite	

Page 1



Save Puzzle

Replace in PP

Puzzle Number

Prefix

Save Preview

Preview

Save Preview Puzzle

When you click the Preview button, a new puzzle image is generated and displayed in the window.

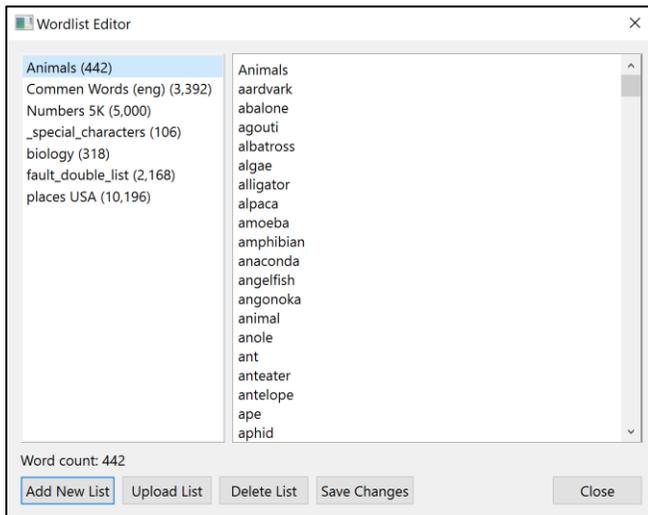
You can then choose to save it — or click again to generate a different one.

This allows you to create and review multiple versions, so you can save only the puzzles you like best to your collection

Replace Puzzle in PowerPoint

When you click Replace PowerPoint Puzzle, you'll be able to select one or more puzzles (and their solutions) inside an existing PowerPoint file and replace them with the current preview puzzle.

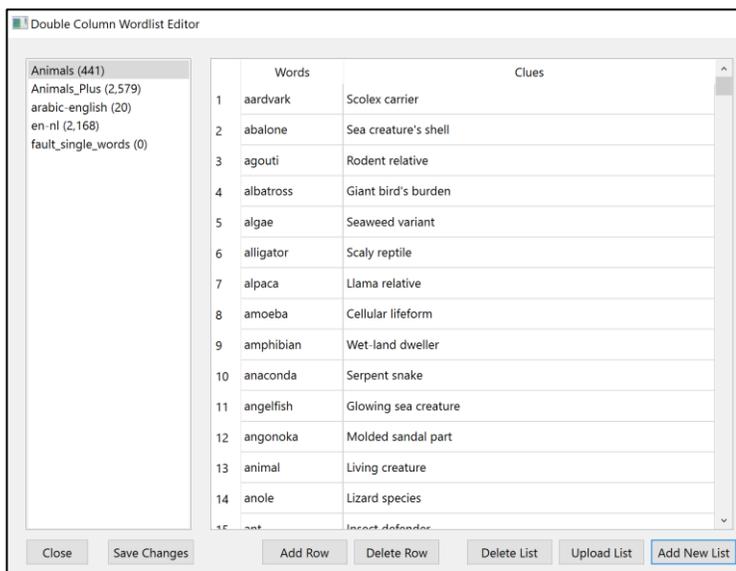
This lets you quickly update your presentation with new puzzles — without starting from scratch.



There are two separate windows for editing wordlists:

•**For Puzzle Types 1, 2, and 3:**

Use the Single Word editor, where each entry is just one word.



•**For Puzzle Type 4 (Crossword):**

Use the Two-Word editor — where each entry includes a puzzle word and its clue (e.g. apple: fruit).

You can **upload** wordlists as .txt or .csv files, with words separated by commas. Example : apple, biblical fruit

Puzzle Generation & Wordlist Size

The puzzle generator will attempt to place every word from your wordlist into the puzzle layout.

Larger wordlists can significantly increase generation time. For best performance, we recommend keeping your wordlist to a maximum of approximately 5,000 words.

Tip:

If you have a very large list (e.g. 30,000 words), it's best to split it into smaller batches — for example, six lists of 5,000 words each.

This keeps the puzzle generation efficient and responsive

Example Workflow:

Generate a PowerPoint with 50 puzzles (20x20 grid) using 3 wordlist themes

Puzzle Type: 1 — Words

Goal: Create a PPTX with 50 puzzles using the themes “Animals,” “Plants,” and “Human Body.”

Steps:

1. Select Puzzle Type 1 (Single Words).
2. Choose the template that most closely matches your desired layout — for example, the built-in 17x17 grid.
3. Load your 3 wordlists (Animals, Plants, Human Body) into the wordlist panel, in the order you want them to appear.
4. Click Preview to generate a sample puzzle and check the layout:
 - Are the word positions and spacing correct?
 - Does the grid size and margin fit well?
 - Click Preview several times to ensure consistent results.
5. If needed, adjust the grid size, wordlist box positions, or margins.
6. Once you're satisfied, save your adjustments as a new template — for example, rename “17x17” to “20x20.”
7. Click the PPTX button to generate your puzzle set as a PowerPoint presentation.
8. Review the final output and make any final tweaks to layout or wordlists if needed.

This way, you build a high-quality, consistent set of puzzles tailored to your chosen themes and layout.

Note: Word Length Settings & Puzzle Density

The word generator fills the puzzle grid based on the length of words in your wordlist.

- When you allow shorter words (e.g. minimum 3, maximum 7 letters), the generator can fit more words into the grid.
- If you allow only longer words (e.g. 7 up to 12 letters), less words will be used to fill the grid.
- Longer words will make the columns of words width higher, so you may have to adjust the word columns settings

Note: Unique words:

If you've enabled the option “Use words only once,” make sure your wordlist contains enough entries.

Otherwise, the generator may run out of unused words before all puzzles are completed — especially when generating large sets of puzzles.

WORD LISTS

Using ChatGPT to Generate Large Wordlists (500+ items)

ChatGPT can be a powerful partner when you need to quickly create long wordlists for your puzzles. Here's how it can help:

For puzzle types with single-word entries (Types 1, 2, and 3):

You can ask ChatGPT to generate themed lists of single words. For example:

- “Give me 500 animals”
- “List 500 positive adjectives”
- “Generate 500 random nouns for word search puzzles”
- “Give me 1000 English nouns related to nature, education, and everyday life.”
- “Create a list of common 6-letter words suitable for word search puzzles.”
- “List 1000 verbs related to movement or emotions.”

ChatGPT can group them by theme, difficulty level, or starting letter — depending on what you need.

For crossword-style puzzles (Type 4 — word + clue):

You can ask for pairs of words and short clues. For example:

- “Create a list of 500 word-clue pairs for an English crossword puzzle”
- “Give me 500 Spanish words with their English translations”
- “Generate 500 synonyms in the format: word: synonym”
- Create a list of famous movie stars in the format: last name:first name”

Formatting help:

ChatGPT can also generate the list in plain text or comma-separated (CSV-style), ready to copy into your wordlist editor or save as a .txt/.csv file.

Tip:

If you need a specific tone, language, or difficulty level, just include that in your request. For example:

- “Give me 500 easy English words for children”
- “Create 500 biology terms with short definitions”

If you're looking to download a comprehensive English word list, here are some notable resources:

1.dwyl/english-words: A GitHub repository offering a text file with approximately 479,000 English words, suitable for various projects like auto-completion or auto-suggestion. [GitHub+1GitHub+1](#)

2.An English Word List by John Lawler: Hosted by the University of Michigan, this alphabetized list is compiled from various free texts available online. [websites.umich.edu](#)

3.MIT's 10,000 Word List: A concise list of 10,000 English words provided by MIT, useful for applications requiring a more limited vocabulary.

Please note that these resources primarily offer word lists without definitions. If you're interested in a full dictionary with definitions, you might consider:

•**singram/dictionary:** A GitHub repository containing a full English dictionary.

•**The Oxford English Dictionary All Volumes:** Available on Archive.org, this resource provides comprehensive volumes of the Oxford English Dictionary.