WCA Competition Templates

> **IMPORTANT: DO NOT use any templates before reading this entire document!**

Here you can find printable templates for cube covers and clock covers, both of which are stackable; results boxes for scorecards: a design that can be hung on a wall and another that can be put on a table; Square-1 inserts (21 per page) and an outline of some important competition rules. There are also two 3D-printable clock cover designs.

Instructions

1. If you would like to use the WCA designs, use the files in the folder for the language used in your region. **WARNING: Some of the PDF previews might have rendering artifacts, but these won't show up if you download the files.** If you would like to make custom designs, use the files in the Editable Files folder. **DO NOT** make colored clock cover designs, they must be in black and white (BW).

2. The designs for paper clock covers and competition rules can be printed on a home printer; the clock covers need to be printed in BW and the competition rules need to be printed in color. The other designs **MUST** be printed using an industry-grade printer, so you will have to find a printing place in your area. They will require .PDF files to make your prints.

3. If you are making **custom clock covers**, you will need to copy your finished design to a new A4-sized document (210*297mm / 8.27*11.69in), rotate the whole design 12 degrees counterclockwise and save the file as PDF. If you are printing them on a regular office printer that can't print all the way to the edges, try selecting the setting "fit to printable area".

4. There are two 3D-printable clock cover designs: one made by Mitchell Lane and one made by Cady Shields. Mitchell's design can stack, while Cady's design does not stack, but is more sturdy and can fit clocks with a thicker outer shell (clocks like this have never been mass-produced, only custom made). Both of these 3D clock cover designs last much longer than the paper version. We recommend that you look for a 3D printing service in your area or try to find a 3D printing enthusiast who could make them for you.

5. Make sure you print all templates **STRICTLY** within the following specifications:

Template	Paper size	Paper density	Paper type
Cube cover	A3	350-400 gsm *	Color
Paper clock cover **	A4	60-90 gsm	BW
Results box (table)	A3	350-400 gsm *	Color
Results box (wall)	A4	250-400 gsm	Color
Square-1 inserts	A4	250-400 gsm	Color
Competition rules	A4	Any	Color

"gsm" stands for grams per square meter. This is the standard unit of measurement for paper density.

* Thicker is better

** Clock covers are printed on standard printing paper used in regular BW office printers. 80 gsm is the best option.

Template	Resolution	Infill	Filament	Rafts	Supports
3D clock cover (Cady's design)	0.2-0.3mm	15%	PLA	Any	None *
3D clock cover (Mitchell's design)	0.2-0.3mm **	15% ***	PLA / PETG	None	None

* None are needed when printing upright

** 0.24mm recommended

*** No infill will be generated

6. You will need the following tools in order to assemble the paper prints:

- Scissors
- Ruler
- Paper glue (only for clock covers)
- Double-sided tape up to 1cm in width (only for results boxes and cube covers)
- Blade (knife, box cutter, etc.) (only for results boxes and cube covers)

7. On all templates except for the clock covers, make all cuts on the **INNER** side of the black lines, leaving no black color visible after the cuts are done. On the clock cover the cuts need to be made **THROUGH** the black lines.

Link to the templates folder

Please only share the link to THIS page and not the direct link to the folder.

Credits

Paper templates - Deni Mintsaev
3D clock cover - Cady Shields
Stackable 3D clock cover - Mitchell Lane
Competition rules image - Tom Nelson