



How to use a map

HOW TO CREATE YOUR ELEMENTS

Disclaimer: the map created is not a perfect representation of reality: the scale of the street doesn't fit exactly the scale of the buildings or fields.

STORAGE

This simplest way to craft the elements needed for the activities can fit in an envelope.

For the different alternatives (see part below), you may need up to a shoe box to store the elements.

CRAFT THE ELEMENTS

A. Print the Annexes

1. On 2 A3 sheets (at least 220gr), print the annexe "Chess - Board" twice.
2. On an A4 sheet, print the annexes "Chess – Figures" and cut the pieces.
3. On an A4 sheet (at least 220gr), print the first page of the annexe "Ada's map storytelling". If you want to perform the activity with a big group, you may use an A3 sheet to make it more visible or print two halves on two A4 sheets for the chessboard.
4. Print the elements from pages 2 and 3 of the annex "Ada's map storytelling".

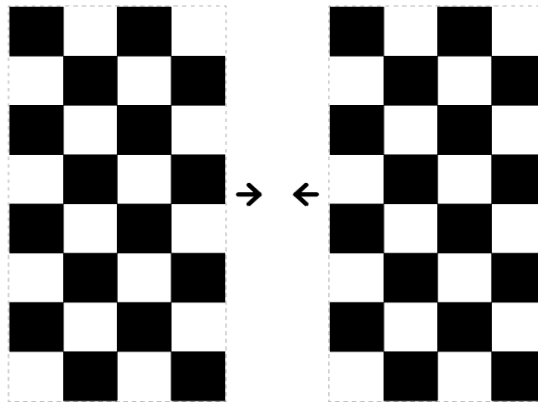


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B. Prepare the Chessboard

Follow the instructions below. Dotted lines indicate the cut locations: check the instructions below to see how it goes.

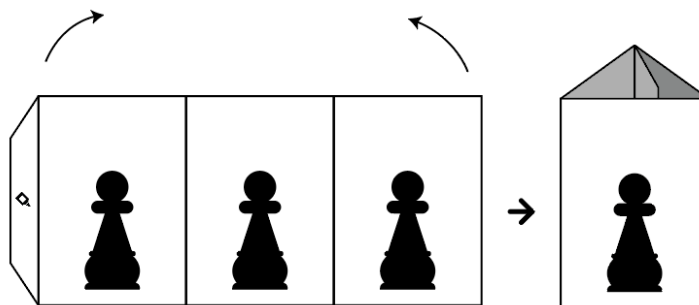
1. Cut on the dotted lines.
2. Tape the 2 sheets together to obtain a big chessboard.



C. Prepare the Chess figures

The dotted lines indicate the cut locations and some of the black lines indicate the fold locations. Check the instructions below to see how it goes.

1. Follow the dotted lines
2. For each figure, fold and glue as follows:



Note: Any movements on the board could disorder all the figures on it. If your activity requires it, for example, if the pupils must only move specific figures, you can fix the others on the board with tape or an adhesive pad.



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D. Prepare Ada Lovelace Activity

1. Cut all the elements from pages 2 and 3 of the annexe “Ada's map storytelling” as instructed.
2. Fold and fix (glue/tape/adhesive pad) the house. Fold Ada's figure according to the instructions, but do not glue it to the board.

POTENTIAL ISSUES

Be careful when moving the chess pieces with your pupils. If you cannot have them stand correctly, use actual chess pieces.

ALTERNATIVES

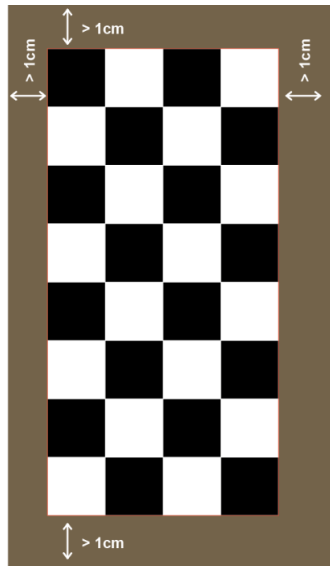
A. Chessboard on wooden plank

If you have access to a Laser cutting machine, you can use the annexe “Chess–Board for laser-cut”. Print it twice to create an actual chess board: printing it in halves makes it easier to store in a shoe box. If you are using a bigger or a smaller box, do not hesitate to adapt the size when you import the design on the Laser cutting machine software.

Use a margin area of 1 cm away from the border of your wood plank: our design integrates a cutting line all around the surface.



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B. Chess figures with a 3D printer

If you have access to a 3D printer, you can download a free 3D template of chess figures.



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