



Cap sur l'école inclusive
en Europe



Pedagogical Sheet

Approaching Geometry – Cycle 2 (1st – 2nd – 3rd grades)

Section of the module/E

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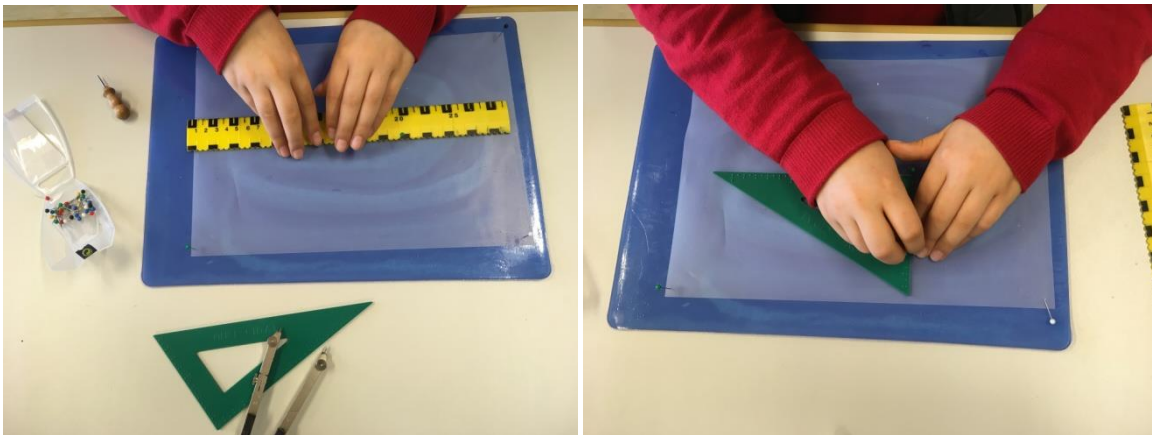
- ❖ The objectives in geometry include enabling pupils to reproduce, describe and build some common solids and some flat figures

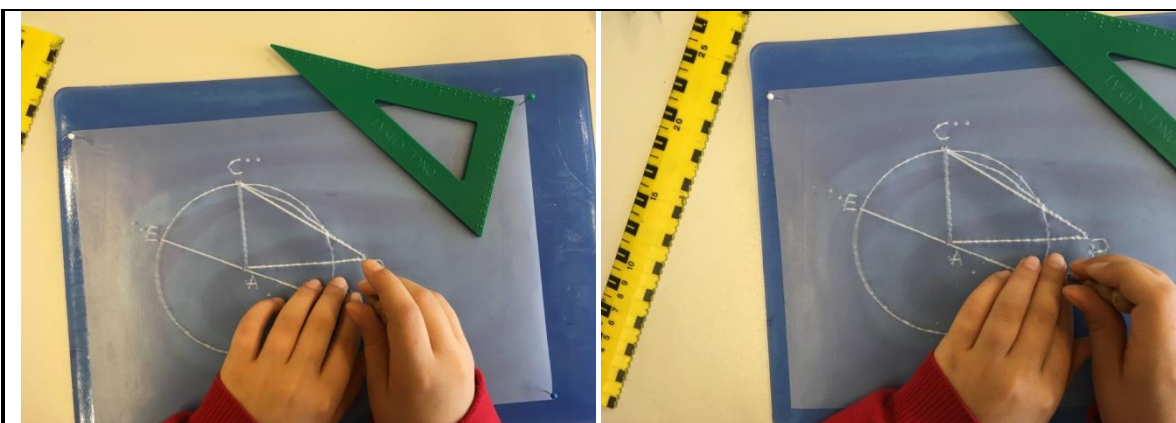
Pedagogical attitudes to adopt

For the visually impaired, the visual exploration techniques associated with tactile recognition must enable a description close to normal.

For the blind, tactile exploration must be accompanied by verbal explanations.
Reproduction and construction must be simplified and conducted stepwise.

The use of specific equipment (Dycem board) can help approach this activity.





❖ It is also a question of identifying these figures and these solids in a complex figure ...

Enlarging is not necessarily adapted, reducing can even be better in some cases to allow a global identification.

Touch recognition is complex and requires precise adaptations.

❖ ...And of applying some common drawing techniques.

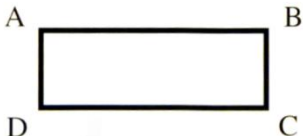
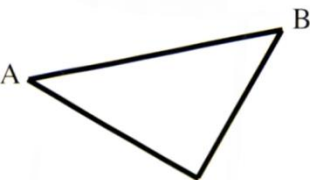
It's important to:

- ask for short but neat drawings.
- ensure the use of adapted equipment.
- train the pupil to "lead" his / her secretary for schema work.

Example of how to adapt a geometry exercise for visually impaired pupils.

Exercise:

You indicate in the box on the right the name and the properties of each figure.

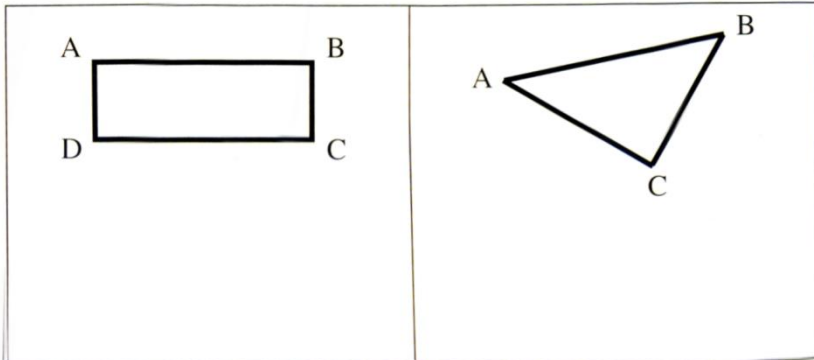
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Figures are too big for the frame.

The displacements of the eye gaze between the right part and the left part of the sheet are too

important.

The following arrangement is preferable; the amplitude of displacements is thus being reduced to a minimum.



The information can be written under the figure inside the frame.

Example of adaptation proposed on the website of INSHEA.

Depicting triangles.

Two sheets are proposed: one with the conventional geometric figures, the other with these same figures adapted to make tactile reading easier. At each of the vertices, a point and its white of comfort mark the change of direction of the finger.

