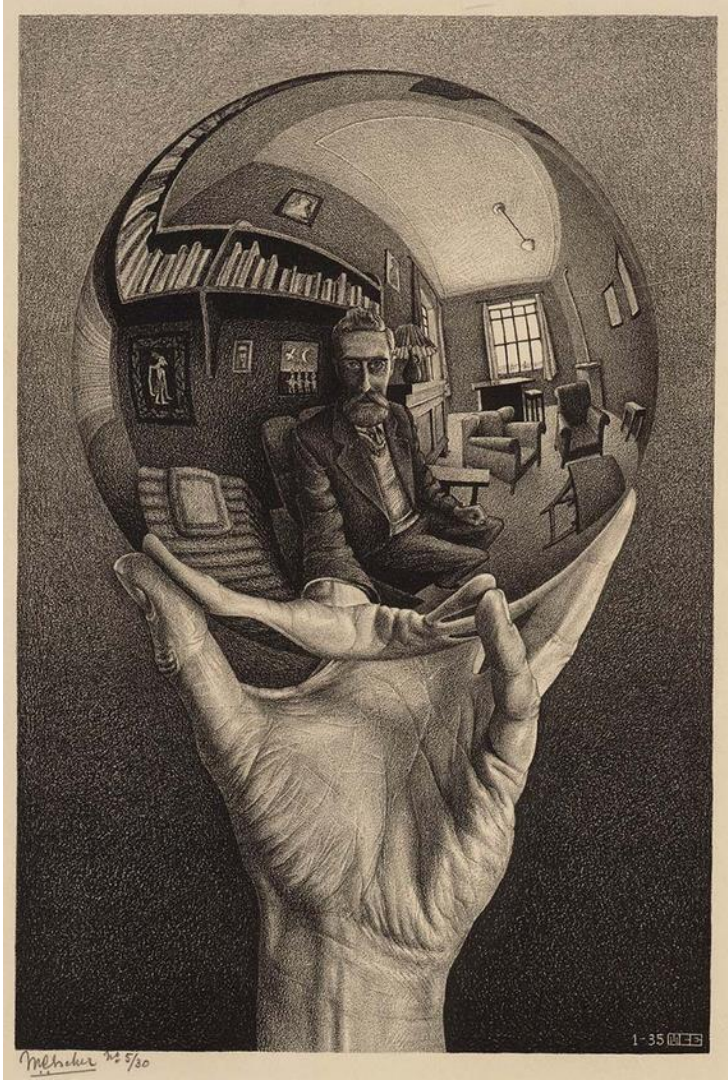
Escher

Maurits Cornelis Escher
1898 - 1972

With the support of the Erasmus+ Programme of the European Union



Escher in the Palace

Escher on film

Masterpieces

- **Impossible figures/optical illusions**
- Methamorphosis
- Tessellations

Escher in the Palace

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Escher in the Palace

[Escher on film]

[Masterpieces]

- Impossible figures/optical i
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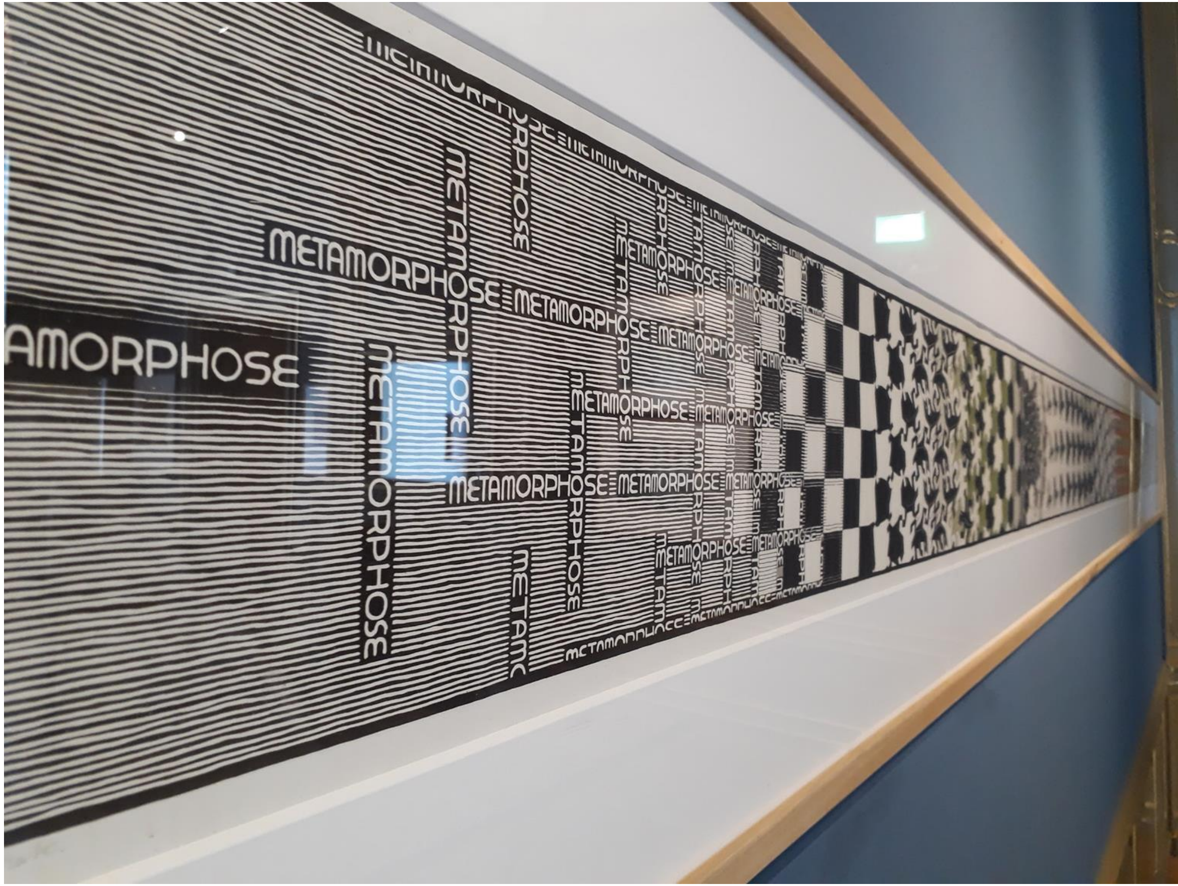

Escher in the Palace

Escher on film

Masterpieces

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Escher in the Palace

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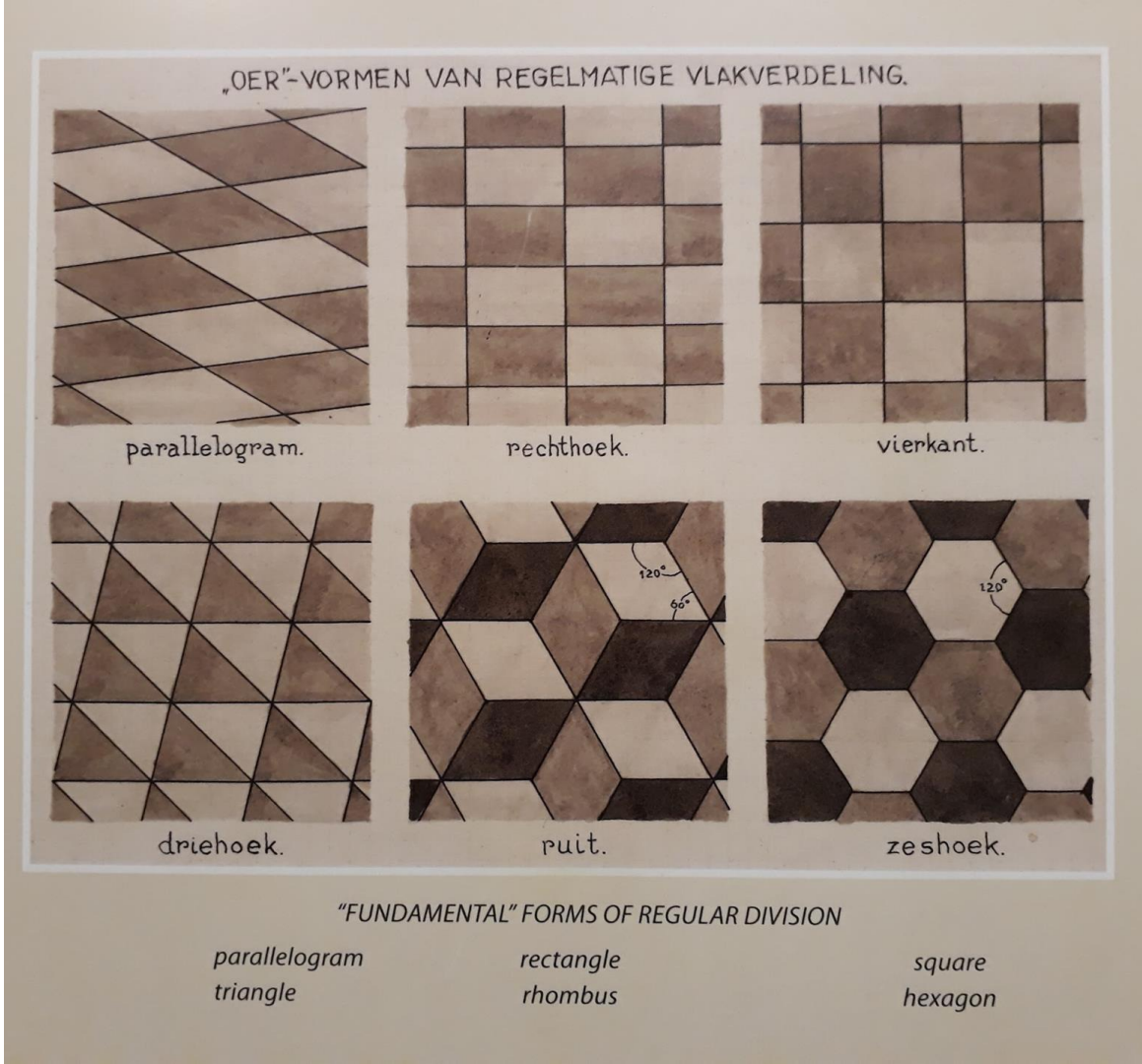
Tessellations

In Spain, Escher was inspired by the mosaics of the Alhambra in Granada

and he was inspired by crystallography.

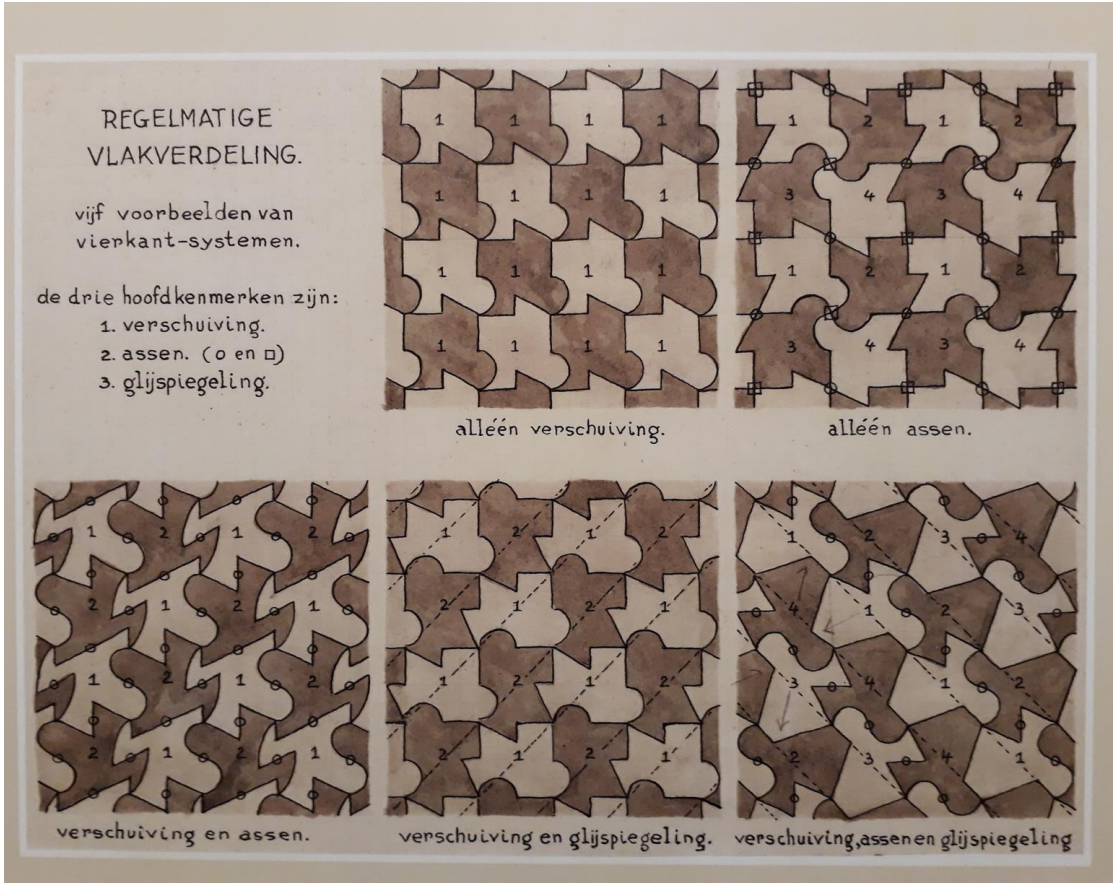
This resulted in his **tessellations**: regular patterns with repetition of the same geometrical figure



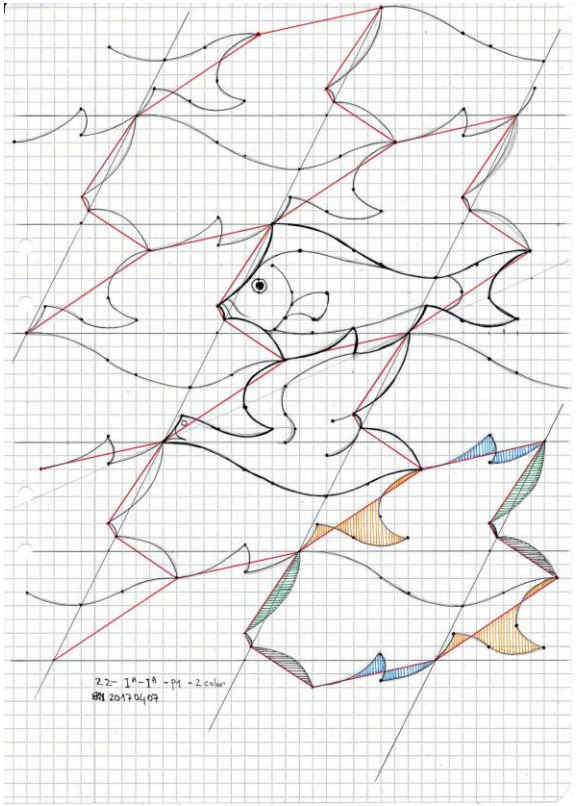
Tessellations

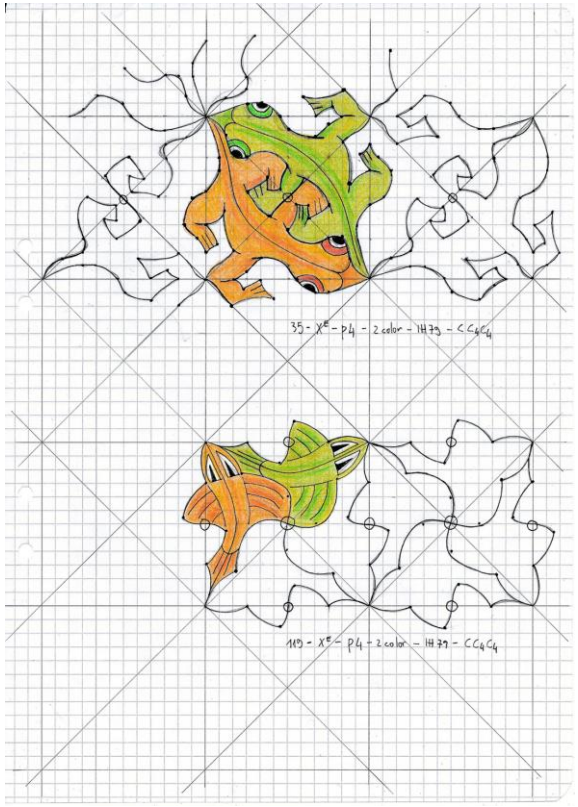
These tessellations are more interesting with some deformations, that cause **rotation** symmetry and **translational** motion

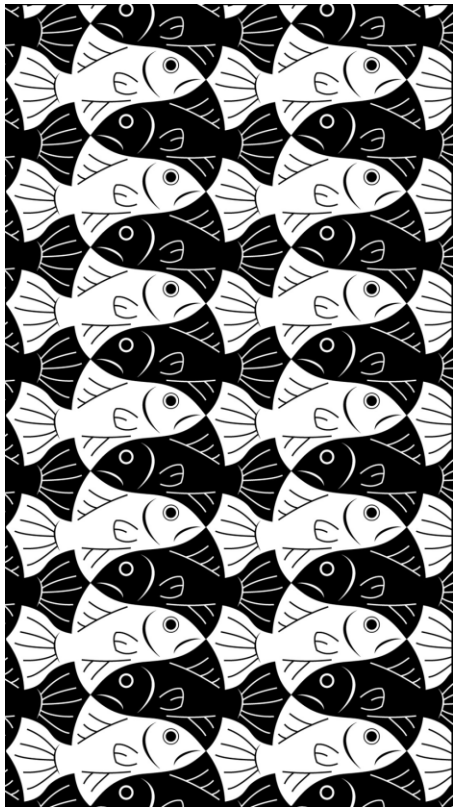
And with adding colour and drawings...



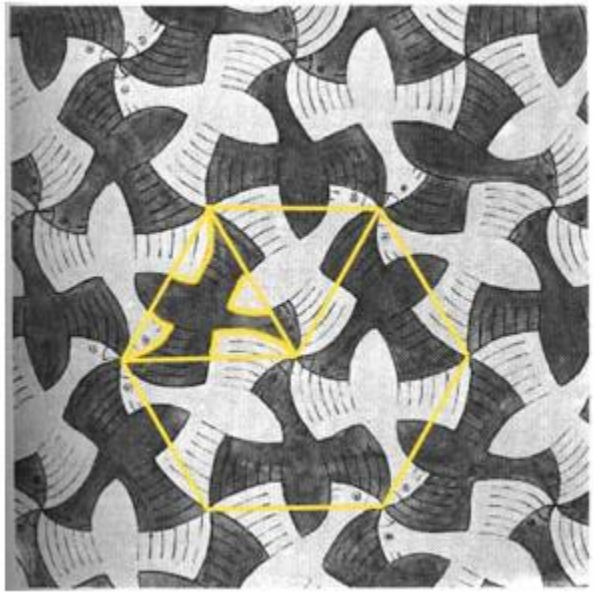
Tessellations





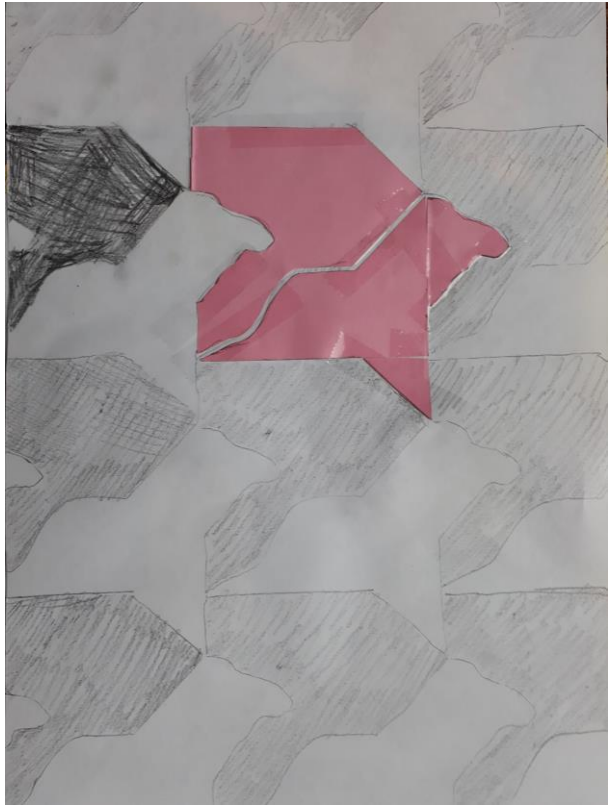


Tessellations



Make your own tessellations

Start with an equilateral triangle



with a square

or with a rectangle

Make your own tessellations

Start with a square or rectangle:

figure P.4 Four steps to turn a boring square into an appealing motif.

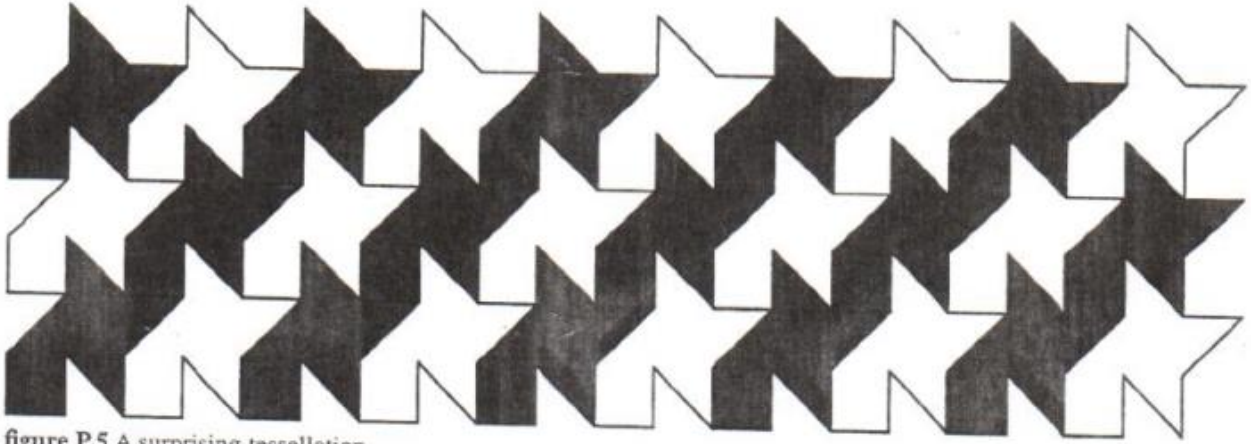


figure P.5 A surprising tessellation.

Make your own tessellations

Start with an equilateral triangle: