Brain Break meets ART

OPTICAL ILLUSIONS

BRAIN BREAK AND ART ACTIVITY

directed art

engaging

digital

Optical Illusions

Explore the art of perception and deception...and experience it by viewing optical illusions and sharing the effect that they have on you.

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The Ames Room

- Observe this room. Take special note of the size, shape, color and details of the room.
- Can one girl really be that much bigger than the other?

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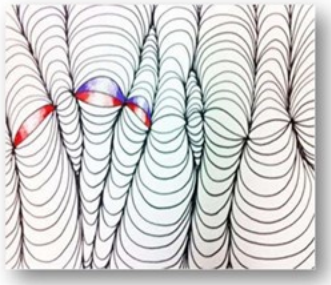

- Pick a group of colors you feel workwell together (2 or 3).

- Using pencils or crayons, fill in the spaces. Press harder in the corners. As you get near the top of each bump, press lighter and lighter. Woohoo! You have created your own optical illusion!

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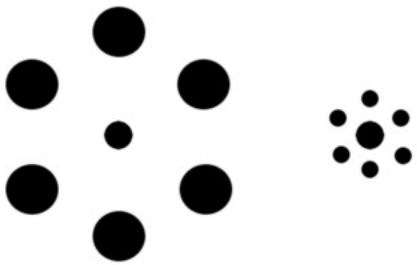
Which center circle is bigger?



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Old woman or young woman?

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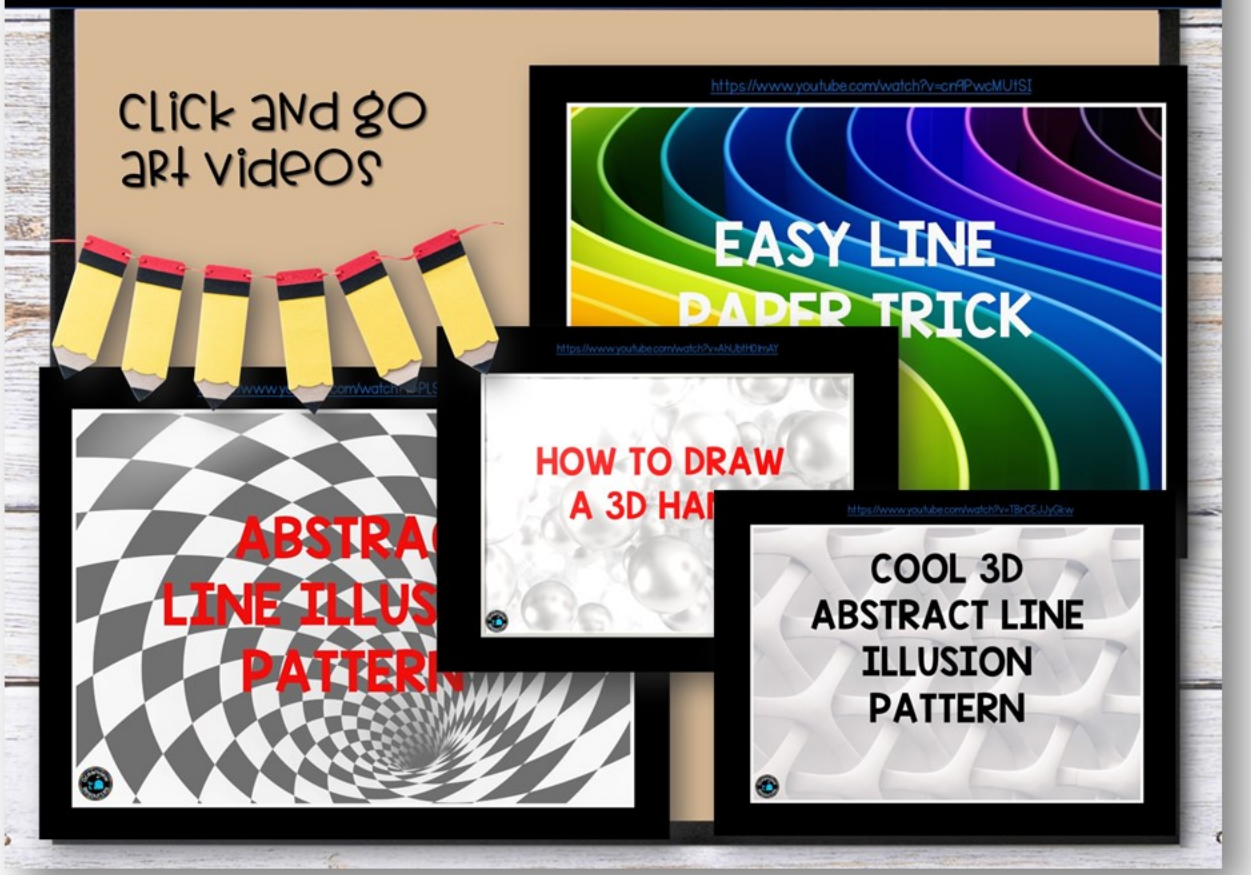

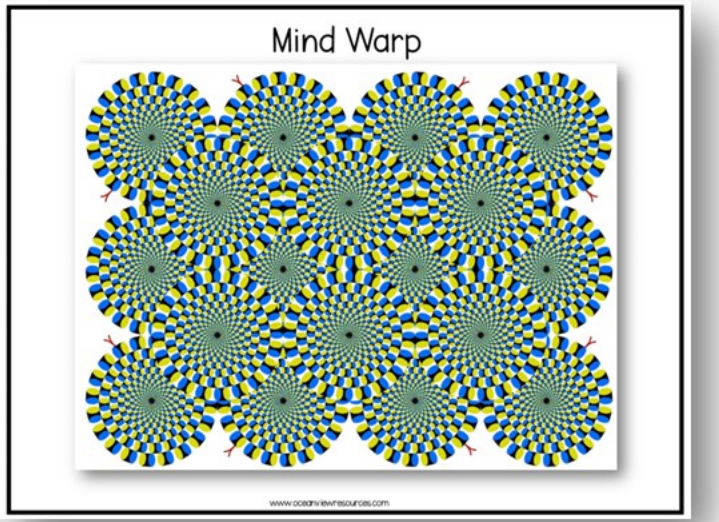

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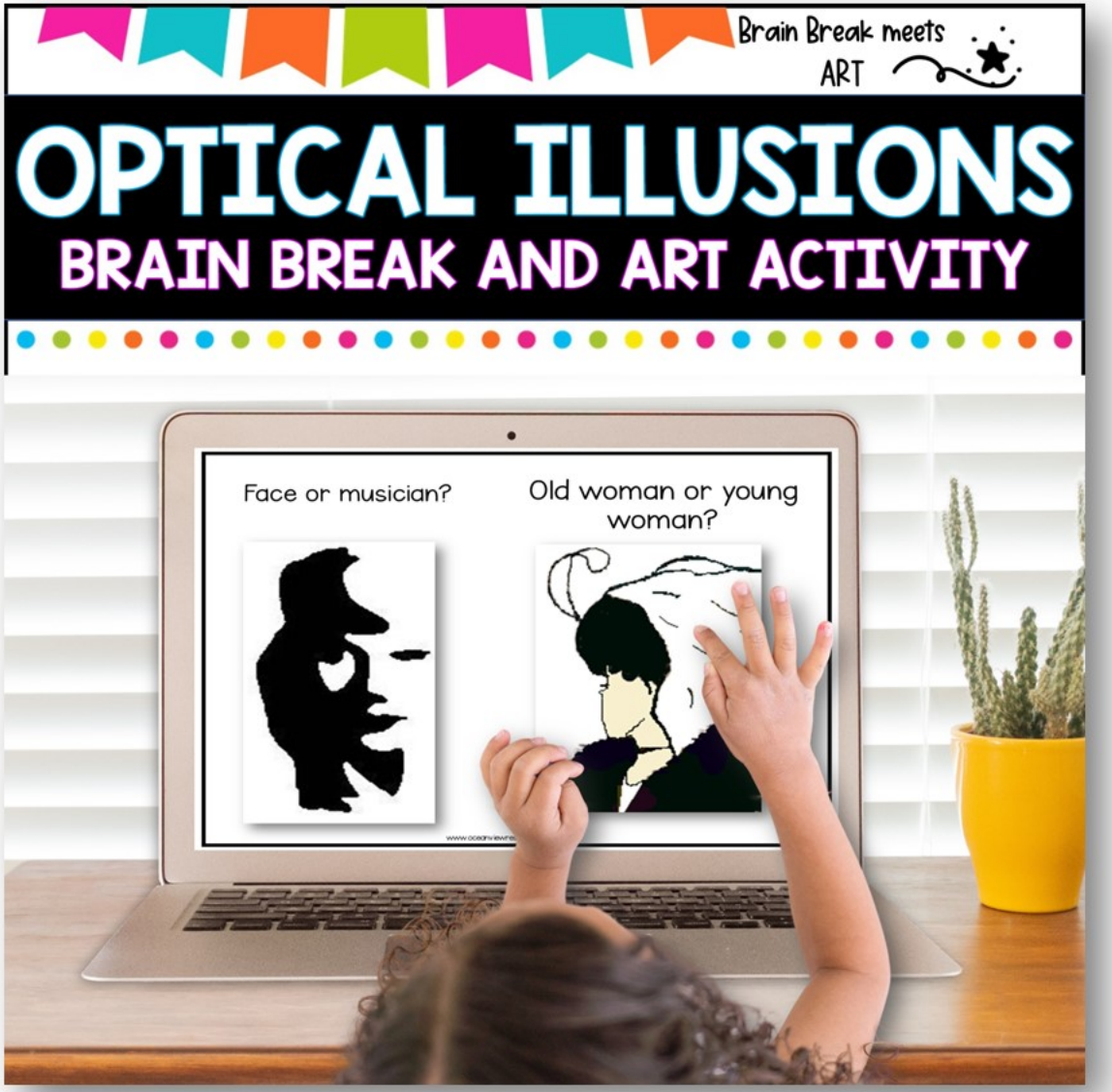

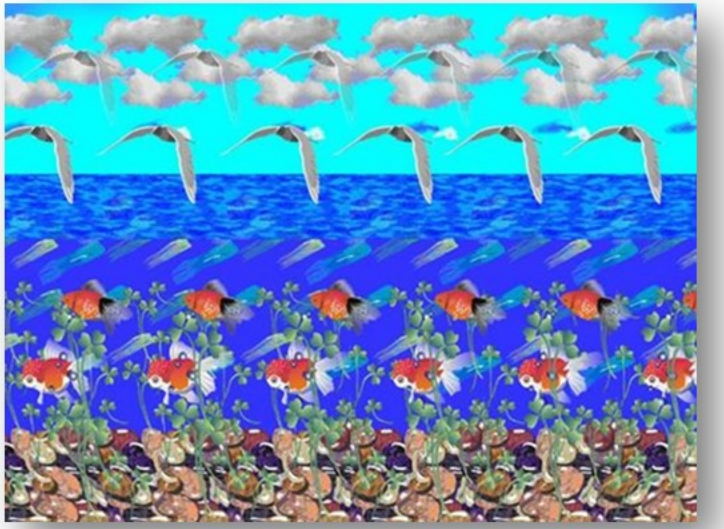

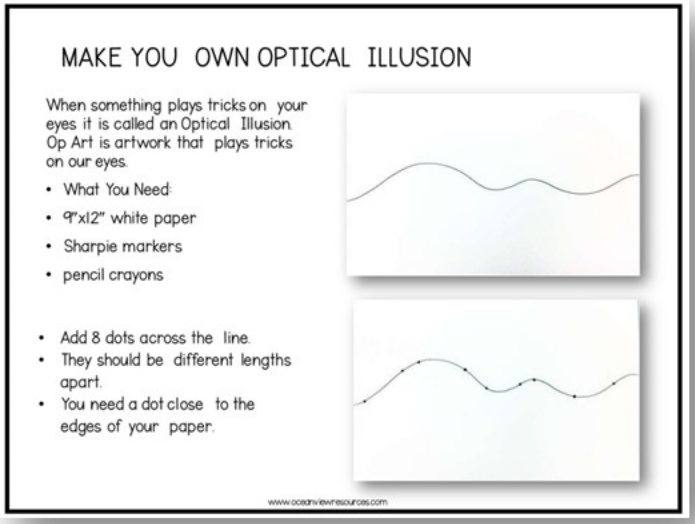

MAKE YOU OWN OPTICAL ILLUSION

When something plays tricks on your eyes it is called an Optical Illusion. Op Art is artwork that plays tricks on our eyes.

- What You Need:
- 9"x12" white paper
- Sharpie markers
- pencil crayons

- Add 8 dots across the line.
- They should be different lengths apart.
- You need a dot close to the edges of your paper.

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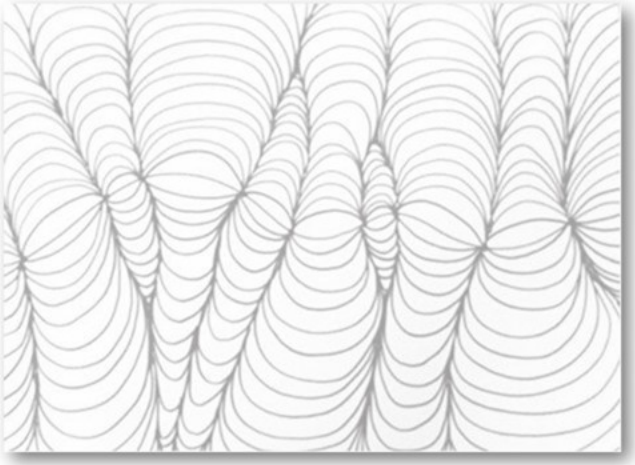
Op Art - Lines Over Hands

When something plays tricks on your eyes
it is called an Optical Illusion...
Op Art is artwork that plays tricks on our eyes.

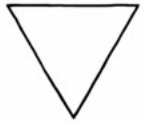
Trace the outline of your hand with pencil.

Using Sharpie marker and a ruler and draw lines going up and down your paper... when you come to part of your hand make a "bump" up. When you make the "bumps" the lines might touch and that is ok.

Fill the whole page up



1. Sketch an inverted equilateral triangle. This will be the center of your triangle.



2. Lightly sketch two parallel lines outside one side of the triangle. The lines should be equally spaced. Take caution that your lines are drawn straight.

- Pick a group of colors you feel work well together (2 or 3).

- Using pencils or crayons, fill in the spaces. Press harder in the corners. As you get near the top of each bump, press lighter and lighter. Woohoo! You have created your own optical illusion!

9. Clean up your drawing by erasing the points outside of the short segments drawn in the previous step.

10. Add shading if desired.

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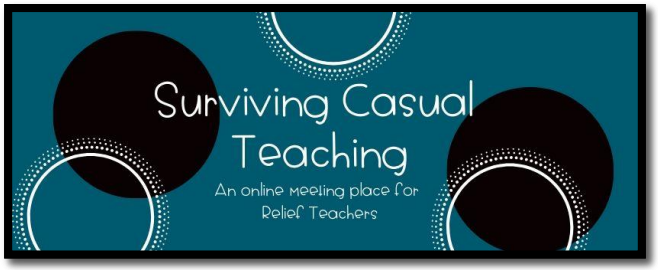

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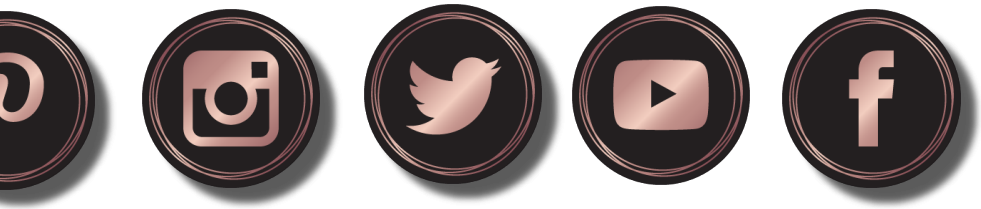

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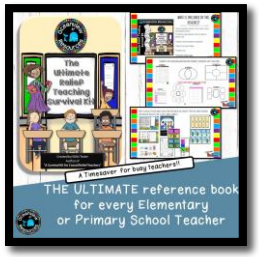
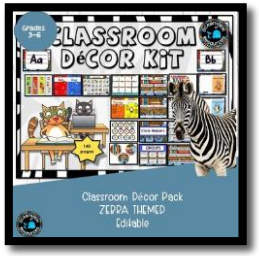


BOOM cards

Classroom Decor



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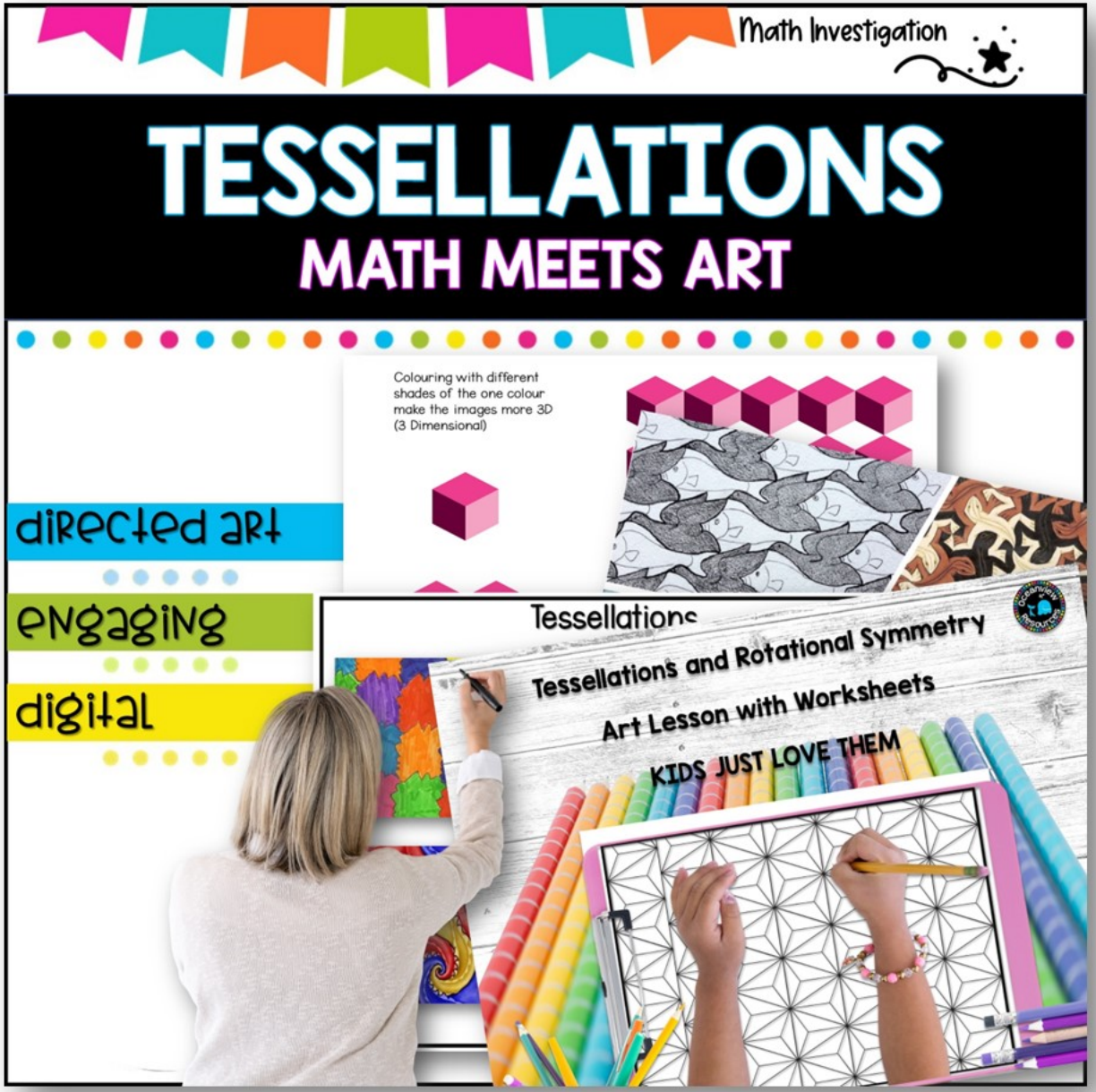

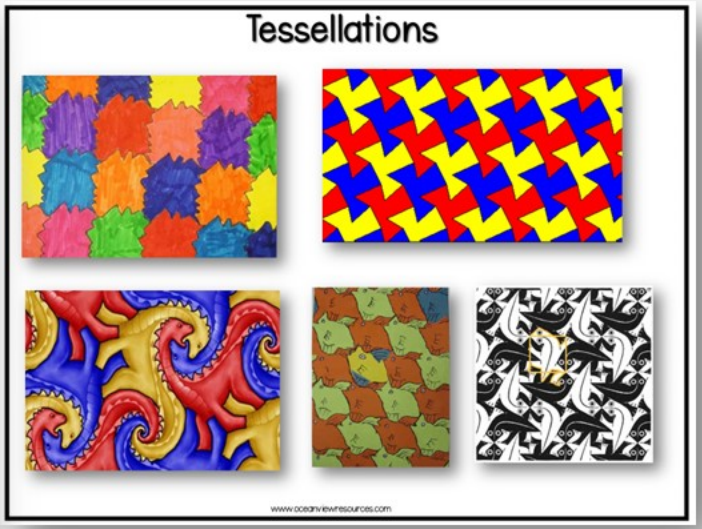

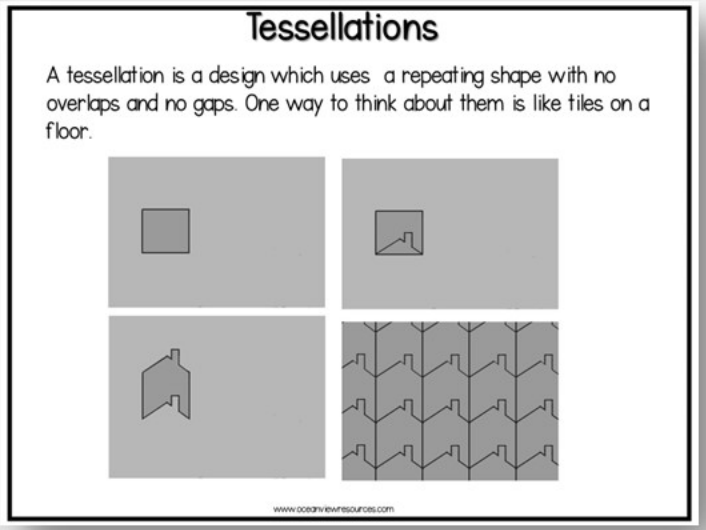

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Math Investigation

TESSELLATIONS

MATH MEETS ART

This is a **semi-regular** tessellation because while it is a repeated pattern, it has a variety of different shapes.
These were especially popular in Islamic, Indian and Spanish decorations.
Many other cultures feature tessellations in their architecture.

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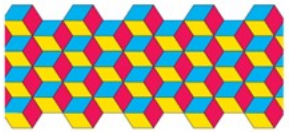
You can also create a 3D effect by coloring tessellating shapes in different colors. The tessellating pattern below is created by repeated diamond or rhombus shapes. Three different colors have been chosen to group together three of the shapes to create a 3D cube effect.



On this example below, tessellating triangles have been used with different gradients of the colors. By choosing one color for a group of three triangles and having a light, mid tone and darker shade of the same color, a 3D effect with the tessellation has been created.

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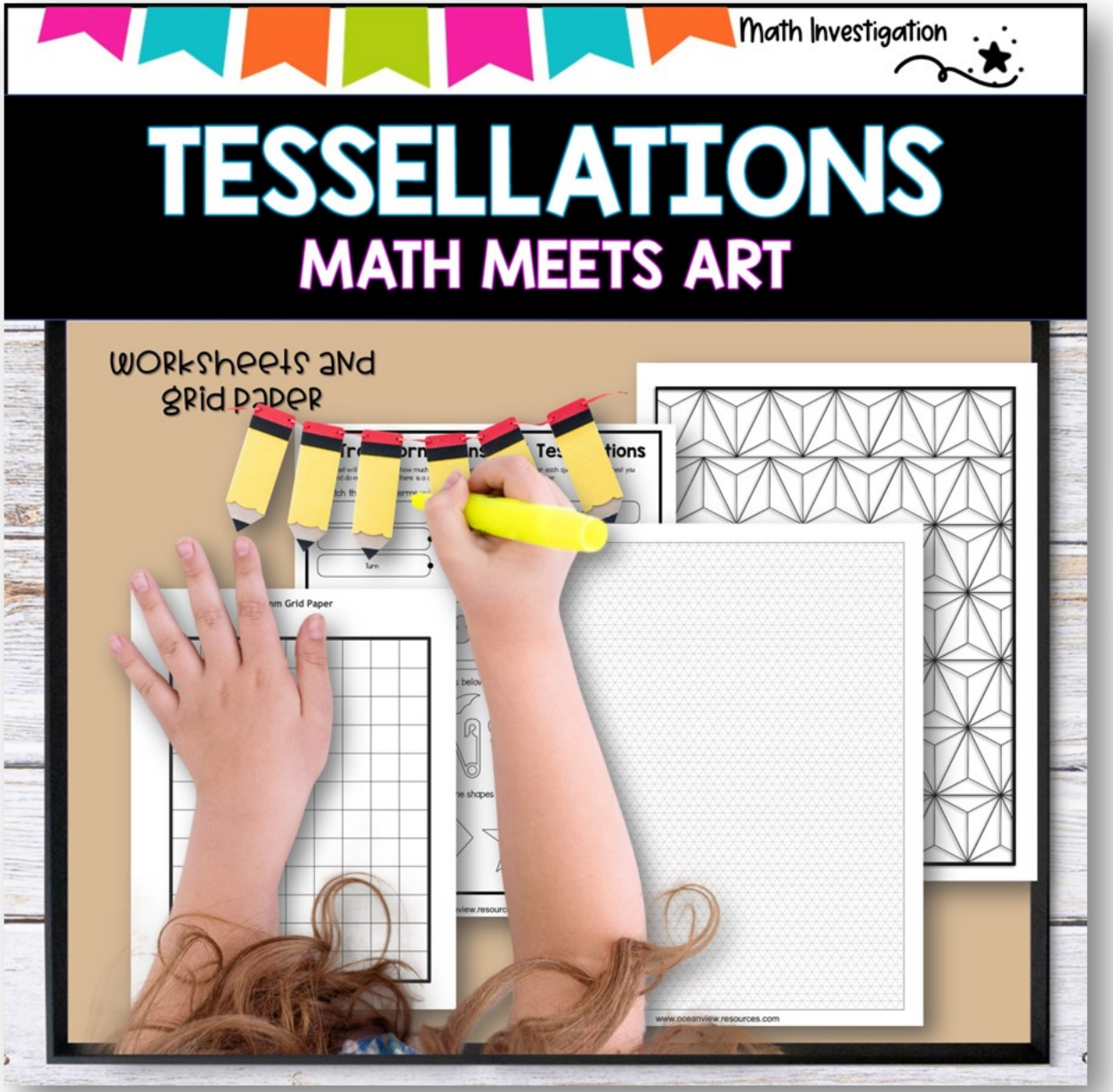

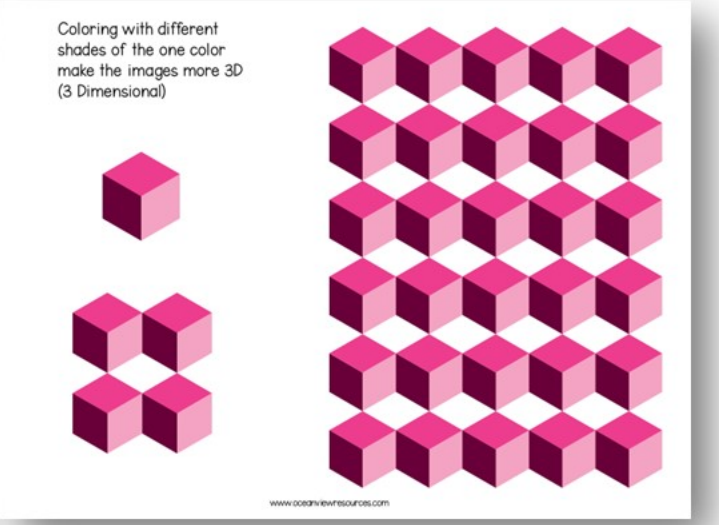

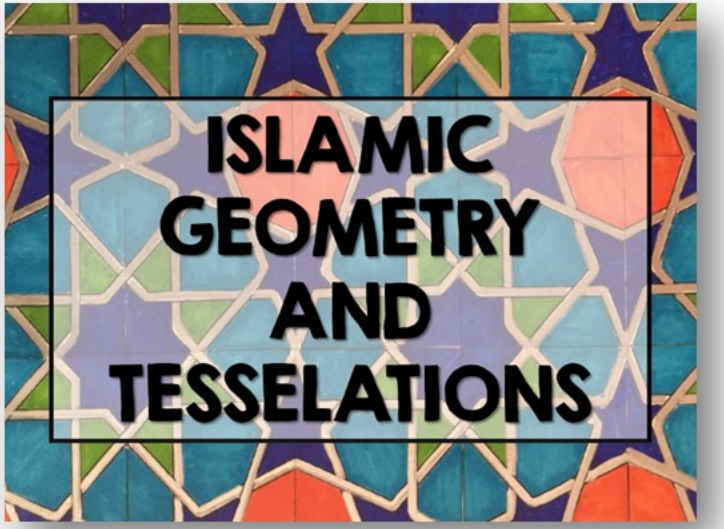

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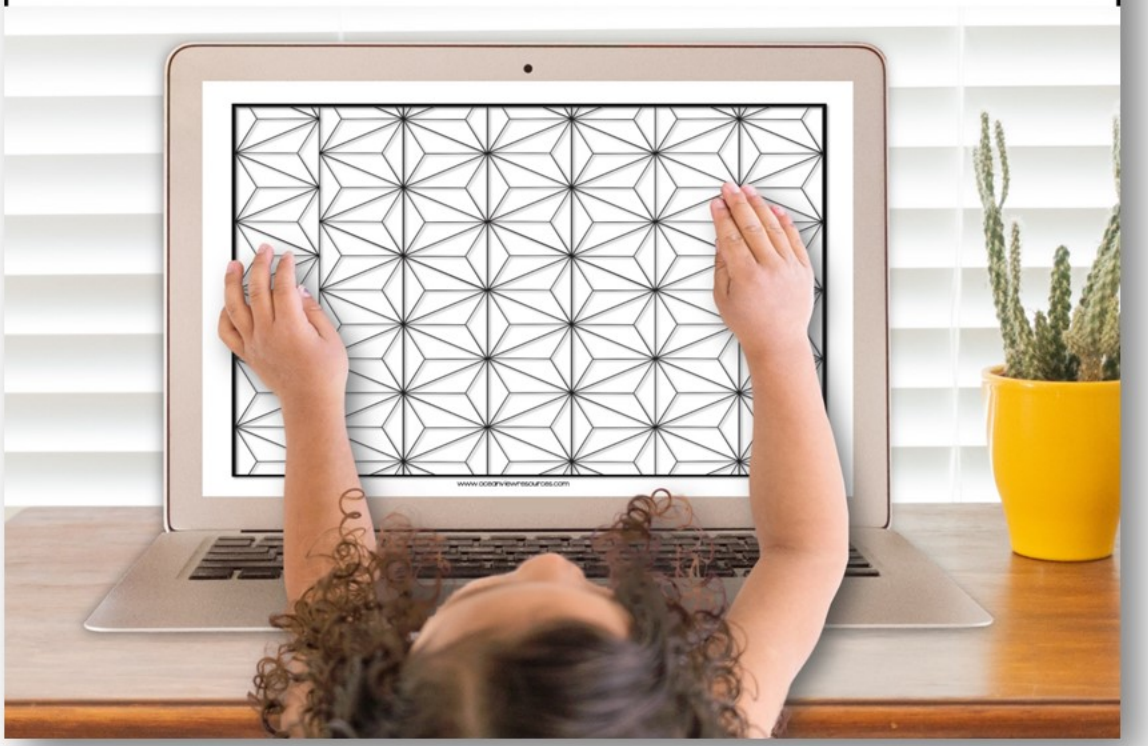

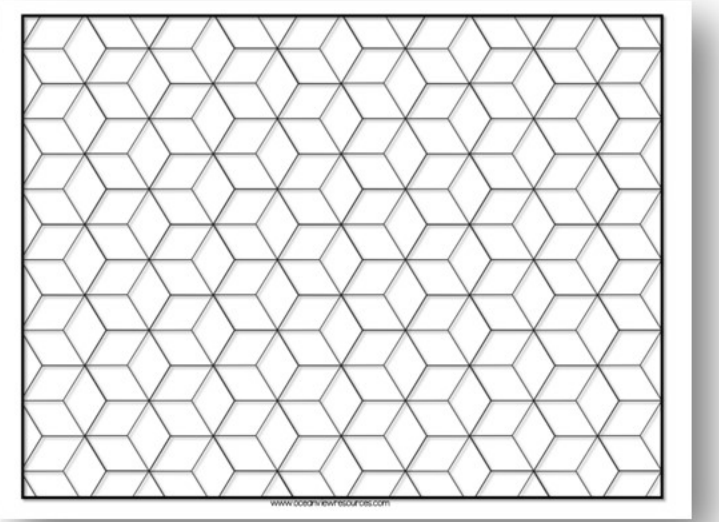

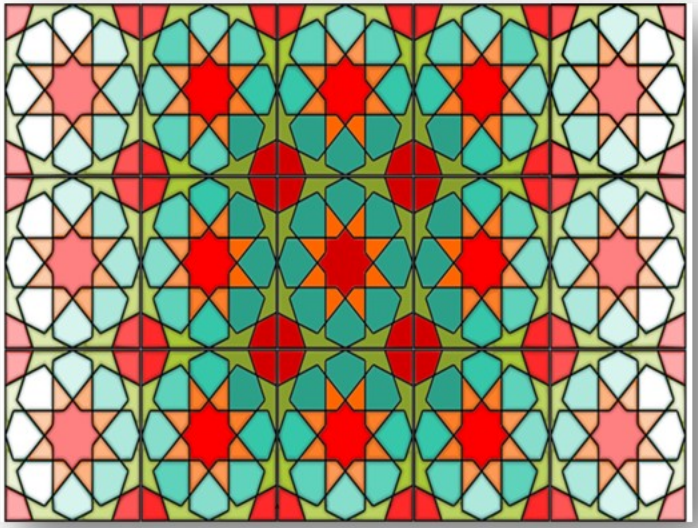

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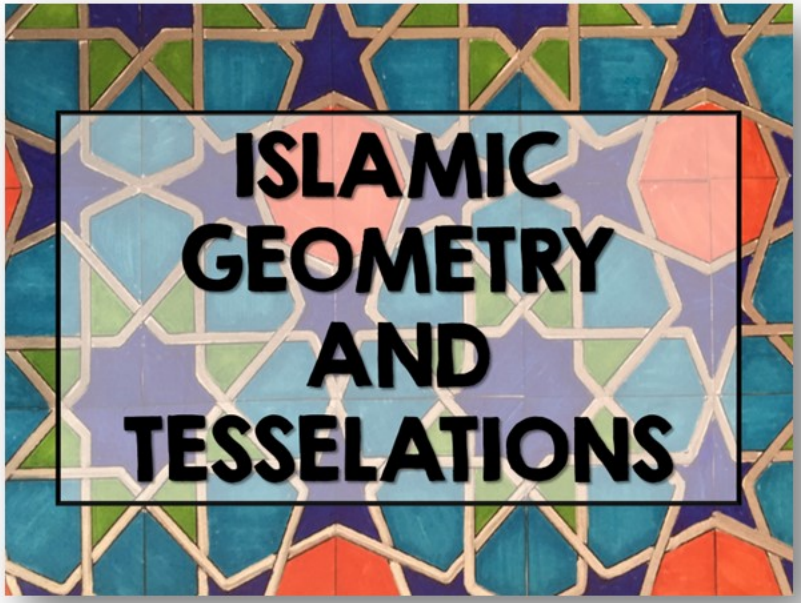
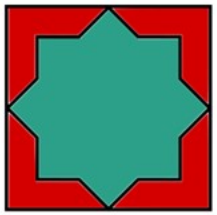


The Khatam Pattern



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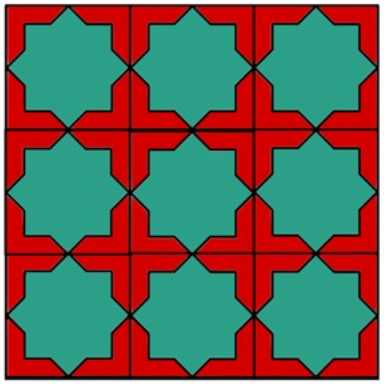
Watch a fun animation of this design.



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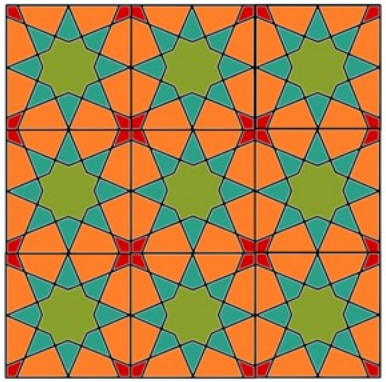

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Octagram Pattern

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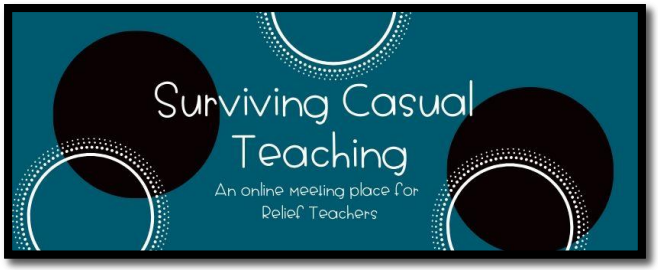

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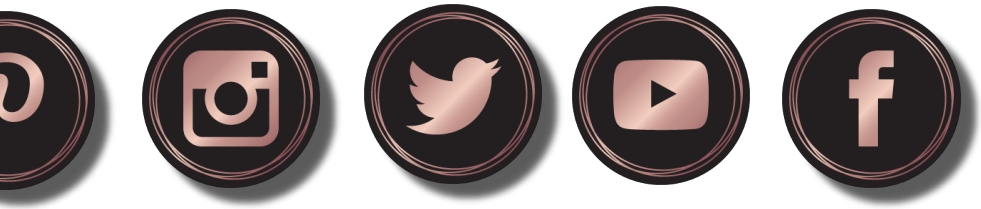

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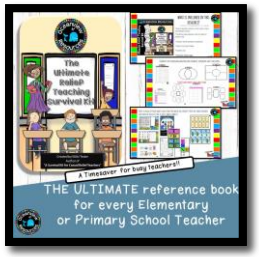

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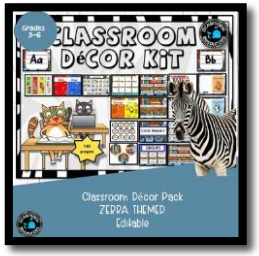

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