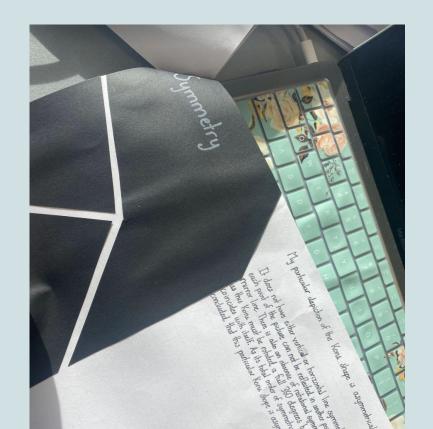
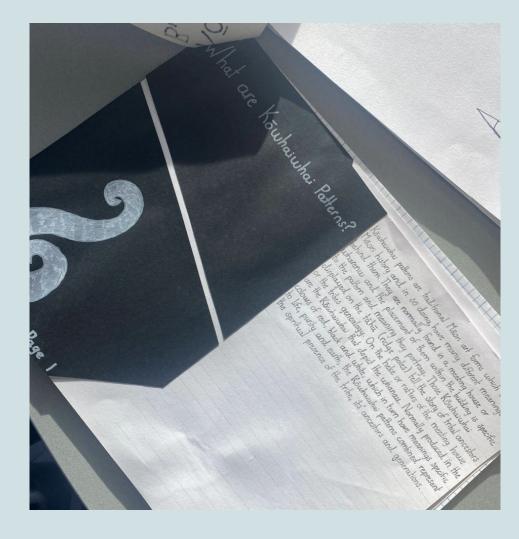
KOWHAIWHAI PATTERNS













EXPLAINING YOUR PATTERN

The pattern of all conjoined Kape shapes has been designed to symbolise a flower. I have done this since our context is revolved around the environment, and the flower is a crucial part of it. This pattern can be repeated as many times to your personal liking.

Ways of how I have designed this Pattern:

Rotation: The two Kape shapes that are connected to the original and reflected Kape shape, has been rotated clockwise. The left side of the two shapes has been rotated 270 degrees, while the right side has been rotated 90 degrees.

Reflection: The original Kape shape has been reflected on the X-axis, and then placed at bottom of the 4 linked petals.

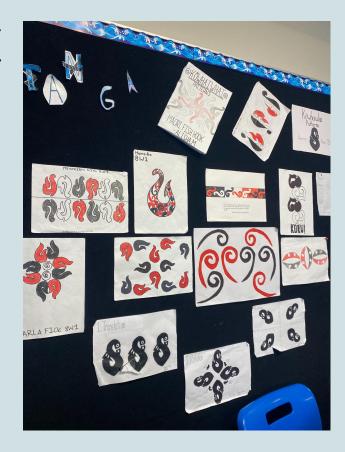
Translation: To start repeating the inside of the flower, each Kape shape has been translated to the side it is facing.

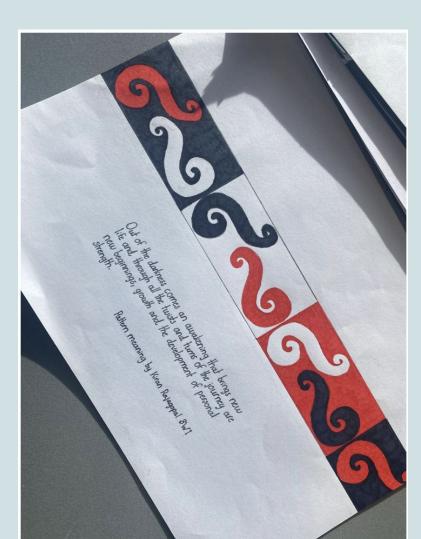
Description:

Visual colors: Red (a traditional Maori Pattern color), Black (a traditional Maori Pattern color).

Shape: Kape, a common Maori Kowhaiwhai shape.

Symbolises: A flower.





KŌWHAIWHAI PATTERNS

WHAT ARE KOWHAIWHAI PATTERNS?

Read: https://www.twinkl.co.nz/teaching-wiki/maori-patterns

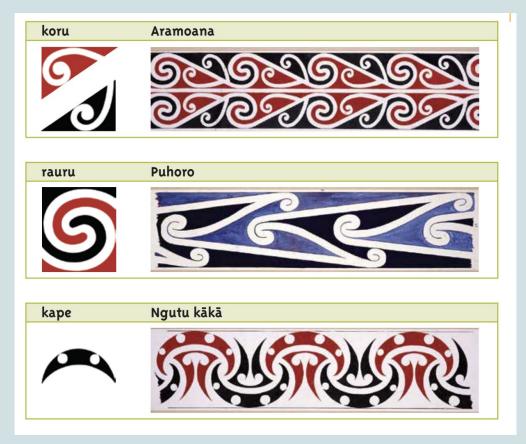
Summarise what they are in 2-3 sentences

SELECTING YOUR KOWHAIWHAI SHAPE

Browse: https://www.twinkl.co.nz/teaching-wiki/maori-patterns

And the options on the next slide.....

SELECTING YOUR KOWHAIWHAI SHAPE



NAME OF YOUR CHOSEN SHAPE HERE

Photos of your chosen shape here

NAME OF YOUR CHOSEN SHAPE HERE

Write a paragraph that includes the following information:

- a) History / origins of this shape
- b) Is it connected to a specific iwi/tribe?
- c) What does the black, white and red symbolise?
- d) What does your chosen shape symbolise/represent?
- e) If there is a certain place or object where your shape/pattern is most commonly used?

Write paragraph on next slide

NAME OF YOUR CHOSEN SHAPE HERE

Paragraph here

TRANSFORMATIONS

BASIC TRANSFORMATIONS (GRAPH PAPER)

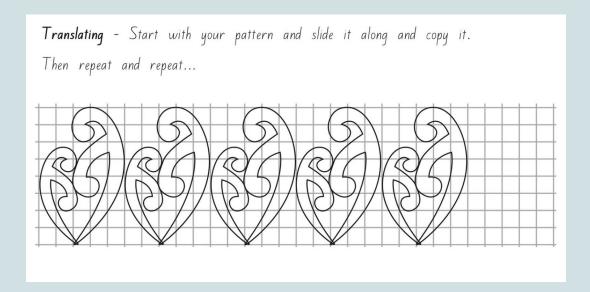
CREATE A STENCIL

1. Draw your shape (or shapes) that make up your pattern and cut them out

TRANSLATION

1. Translate your shape 3 times, and draw

Example:



ROTATION

- 2. a) rotate 90 degrees and then draw your image
 - b) rotate 180 degrees and then draw your image
 - c) rotate 270 degrees and then draw your image

REFLECTIONS

3. a) reflect along y-axis and then draw b) reflect along x- axis and then draw

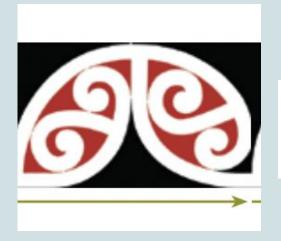
SYMMETRY

Describe the type of symmetry of your shape (line, rotational symmetry) in a sentence or two.

CREATING YOUR PATTERN (PRINTER PAPER)

CREATE YOUR OWN PATTERN

Now that you can see what your shape looks like after all transformations you can pick 1 or more transformations and create a repeating pattern on white paper that is also coloured in.



(example of a shape using reflections to create a pattern)



EXPLAINING YOUR PATTERN

READY TO SUBMIT YOUR ASSESSMENT?

- Is every slide complete?
- Have I uploaded my google slides to Mission Heights Online (not google class)
- Have I handed in my graph paper with basic transformations and my own created pattern on printer paper to your teacher?