

Willowbank School Knowledge-athon Fundraiser
Patterns Projects

Set B

Patterns Project Set B #1

Patterns in Stories

There are many stories that have repeated themes or ideas. Find other stories that follow the same pattern as “The Boy who Cried Wolf” or “The Little Red Hen” or “The Ants and the Grasshopper” or another famous story (maybe one from your culture). What is the repeated message in the stories you found? Think of a creative way to present your findings.

Possible success criteria:

- You have clearly identified the repeating themes or ideas.
- You are able to discuss these with your parents, teacher and or class.
- You have displayed your findings.

Patterns Project Set B #2

Roman Numerals

- Investigate Roman numerals and the patterns involved in writing the numbers from 1 to 12, then for 50, 100, 1000, 100,000
- Make a Roman numeral clock face using the numerals from 1 to 12.
- Can you find two other examples where Roman numerals are still used?

Possible success criteria:

- Roman numerals are correct.
- The numerals on the clock face are correctly positioned.

MIMXV

Patterns Project Set B #3

Create a Maths Pattern

What is the rule? Create a maths pattern and prepare it for others to solve.

Possible success criteria:

- You have checked your pattern to ensure it is correct.
- You are able to discuss the pattern with your class.

Patterns Project Set B #4

The Union Jack

Research countries that have the Union Jack on their flags. Look at one in greater detail. Why do they have Union Jack? Prepare a short presentation to share with a group/class.

Possible success criteria:

- You are able to describe the pattern in the Union Jack and why it is formed like this.
- You have researched more than 3 countries which have the Union Jack as part of their flag.
- You have creatively displayed your findings.

Patterns Project Set B #5

Patterns in food

Collect or take photos of patterns you can find in fruit or food. How many different ways can you display them.

Find out about the patterns in at least 3 different foods (for example: honey comb, orange segments or chocolate bars).

Possible success criteria:

- You are able to describe the patterns occurring in different foods.
- You have researched more than 3 different types of foods which have repeating patterns.
- You have creatively displayed your findings.

Patterns Project Set B #6

Repeating Patterns in Music

Make a dance or use percussion to show a repeating pattern of more than 4 beats. Be prepared to share or teach it to a group in your class.

Possible Success Criteria:

- Your pattern has 4 or more repeating beats.
- You have presented your repeating dance or percussion show to the class.
- Your audience are able to follow the repeating pattern.



Patterns Project Set B #7

Repeating Creative Patterns

There are many creative activities that use repeating patterns. Investigate one and prepare a short presentation to share with your class. Some ideas to get you thinking: quilting, embroidery or knitting. Maybe you could even try it and learn a new skill.

Possible success criteria:

- You are able to describe the patterns occurring in your chosen activity.
- You have presented your research in a creative way.
- You are able to discuss your findings with your parents, teacher and class.

Patterns Project Set B #8

What's Up With The Weather?

Follow the weather patterns for one week.

Make a 7 day weather chart to show the weather patterns for Auckland and one other town or city. You might choose a city in another country.

How is the change in weather conveyed to the public? What symbols are used? What patterns can you find?

Possible success criteria:

- You are able to describe the weather patterns which occurred over a week.
- You have presented your research in a creative way.
- You are able to discuss your findings with your parents, teacher and class.

Patterns Project Set B #9

Collage Makers!

Find out about the art of collage. Create a collage that has patterns in it. Share your art with your class. Remember that a computer or ipad is another tool that could be used for this.

Possible success criteria:

- You are able to describe the collage patterns you have created.
- You have presented your research in a creative way.
- You are able to discuss your patterns with your parents, teacher and class.



Patterns Project Set B #10

Watch videos of using tī rākau (Māori stick games). With a buddy, make up one of your own. Be prepared to share it with others.

What other traditional games can you find out about?

Possible success criteria:

- Your tī rākau pattern has 4 or more repeating patterns.
- You have presented your tī rākau game to the class.
- Your audience are able to follow the repeating pattern.

Total stamps:					

Extra activities and projects I have completed:

Total stamps:					