

# *Willowbank School Knowledge-athon Fundraiser*

## *Patterns Projects*

### **Set A**

#### **Patterns Project Set A #1**

#### **Patterns in your neighbourhood**

Ask mum or dad to take a walk with you around your neighbourhood.

Have a look at the houses, what patterns do you see in the houses, are the designs the same or different? Is the layout of the windows the same?

Do you see any patterns in the gardens or on the street?

Draw or write what you notice in your own creative way.

Possible Success Criteria:

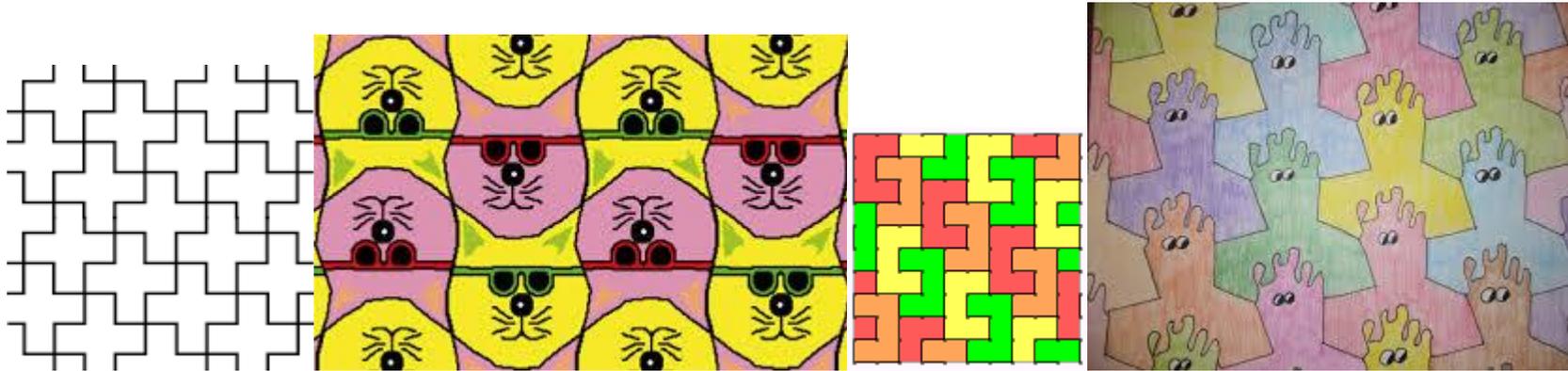
- You have recorded at least 5 different patterns from your neighbourhood.
- You are able to discuss the patterns.



## Patterns Project Set A #2

### Tessellation

Tessellation is a pattern made with shapes with no gaps or overlaps.  
For example:



Create your own tessellation. You can use any size of paper and any shape (you might like to create one on the computer).

Possible Success Criteria:

- It has no gaps.
- It is made up of a repeating pattern.
- There are no overlaps.

Happy tessellating!

### Patterns Project Set A #3



### Get Your Groove On!



Music is made up of beats and rhythms that are often repeated. It is your job to make up a dance to a song of your choice and perform it in front of your class or teacher (you could even video yourself to share with the class)

Possible Success Criteria:

- ▣ Your dance must be at least 1 minute long.
- ▣ You repeat part of your dance.
- ▣ You have fun!



### Patterns Project Set A #4

### Trash to Treasure - Enviro Challenge

Recycling is important in Willowbank School. Your job is to be creative and make something amazing out of recycled things!



Possible Success Criteria:

- ▣ You must use things that can be recycled - they can't be new.
- ▣ You must be creative.
- ▣ You can tell everyone what you used and what your treasure is for.

## Patterns Project Set A #5

### Animal Patterns

Animals have lots of patterns. There are 2 projects to choose from:

#### Project 1

Find or draw pictures of different animals. Describe their patterns. Find out if and how their pattern helps them in their environment.



#### Project 2

Create your own animal and its patterns. Why did you choose this pattern?

Describe the pattern and the reason for the colours and or shapes that you have chosen for your animal.

## Patterns Project Set A #6

### It's a Wrap!

Everyone likes to unwrap presents and something that can make a present feel even more special is bright, colourful wrapping paper.

Your project is to create a wrapping paper design, you can present it on A4 paper or larger (or on the computer).

Possible Success Criteria:

- ❑ It must be bright and colourful.
- ❑ It uses a repeating pattern.



## Patterns Project Set A #7

Get your investigator's hat on!

Every culture is unique and special. Investigate a cultural pattern from your country of origin. Tell us about the pattern and how you think it came to be.

Possible Success Criteria:

- Identify a specific culture.
- Investigate any patterns in art work or design that makes that specific pattern culturally unique.
- Take a photograph or draw an example of this pattern.
- Find some examples of the pattern to share with your class.



## Patterns Project Set A #8

**Let's play to make Music!**



Use any musical instrument or object that can produce a sound. Create a pattern of music beats using the instrument. Play the pattern (repeat the pattern) over 3 times - making your very own piece of original music score.

Possible Success Criteria:

- Choose any instrument or object that can make a sound e.g. spoon, whistle, bucket etc.
- Think of and use a tune with a few notes in it.
- Repeat the notes (tune) a few times
- Play it to an audience and see if they like it.

## Patterns Project Set A #9

### Seasons

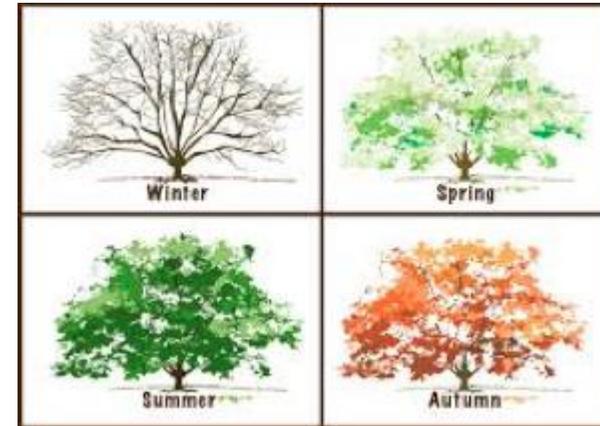
Let's think about the seasons - summer, winter, spring and autumn.

Investigate:

1. What pattern do the seasons follow?
2. What changes around the school/home do you see in each season? Why do you think this happens?
3. Tell us why the seasons are important.

Possible Success Criteria:

- Present your findings under each of the headings.
- Create a visual display showing the different seasons.
- Talk to your class about what you have found out.



## Patterns Project Set A #10

### Jigsaw Puzzles

Jigsaw puzzles have lots of different patterns. Some of the pieces are the same shape or the picture is of repeating patterns.

Make your own jigsaw puzzle of your favourite pattern or create the puzzle pieces using 4 or 5 repeating patterns.

Possible Success Criteria:

- The puzzle has at least 12 pieces.
- The puzzle has at least one repeating pattern.
- The puzzle is bright and colourful.

## Patterns Project Set A #11 (an extra special extra!)



### Toys! Toys! Toys!

Let's see what patterns you can make from your toys:

Can you make a repeating pattern with different toys? What patterns can you think of?

- Truck, car, truck, car...
- doll, teddy, doll, teddy...
- teddy, a favourite character, teddy, a favourite character...
- toy colour one, toy colour two, toy colour one, toy colour two...
- line your toys up from largest to smallest
- find similar patterns on your toys, group them accordingly
- thread your beads in a repeating pattern
- build a lego building using a repeating pattern

What other patterns can you think of?

Possible Success Criteria:

- You have recorded your patterns - photos, pictures, video.
- You have made a series of easily identifiable patterns.
- You can explain the patterns you have created.
  - ✓ You have put your toys away :-)



<b>Total stamps:</b>					

Extra activities and projects I have completed:

<b>Total stamps:</b>					