

Keep this sheet.  
Collect them all!



## Explore your world with this Science-to-Go backpack



### Books in this backpack

- **Caps for Sale**  
by Esphyr Slobodkina
- **Orange Pear Apple Bear**  
by Emily Gravett
- **Pattern Fish**  
by Trudy Harris
- **Patterns**  
by Sara Pistoia
- **Patterns in the City**  
by J. Clark Sawyer

### Idea!

Choose a word  
in one of the books.  
Point to that word  
every time you  
see it.

More books  
at your  
library

Bees, Snails, & Peacock Tails. Betsy Franco. E811.54  
Lots and Lots of Zebra Stripes. Stephen R. Swinburne. E508  
Patterns! National Geographic. E NATIONA  
Press Here. Herve Tullet. E TULLET

### Local Connection

Go on  
a pattern or  
symmetry walk  
—can your child find  
examples of patterns  
or symmetry at the park?  
What about at the grocery  
store? Notice natural and  
human-created patterns.



# ACTIVITY

# Shoe Patterns

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Patterns involve a repeating element of some kind. Becoming comfortable spotting patterns will help your child build mathematical thinking skills—it can also be a lot of fun. Kids will get a kick out of creating patterns from the family shoe collection.

## What you need:

- At least 3 pairs of shoes

## Try this:

1. Use shoes to create patterns for your child to complete. For example, place a red shoe, blue shoe and white shoe in a line. Ask your child to repeat the pattern.
2. Some possibilities include:
  - Blue-white, blue-white
  - Sneaker-sandal-sandal, sneaker-sandal-sandal
  - Shoe pointing up-shoe pointing down, shoe pointing up-shoe pointing down
  - Mom-sister-brother, mom-sister-brother
3. Switch roles. Have your child create patterns for you to finish. Can they think of new types of patterns?

## Rhyme

### Patterns

Patterns

Dog, dog, cat

Dog, dog, cat

Dog, dog, cat

There's a pattern in that

Finish this pattern

If you can:

Pink, blue, tan

Pink, blue, ?

## Field Notebook

### Add something to the field notebook!

For example: Encourage your child to create a pattern using cut pieces of paper, stickers or crayons. Or take a photograph of a pattern that you see outside, print it out and paste it into the notebook. Write down where you found it.