05 · Teacher and parent guide

Extra material, not a book page

Part A is for the teacher. Part B is the take-home note for parents and carers.

Part A · For the teacher

Term 2 begins: Foundation of Pattern Thinking. Big idea: **smart thinkers notice repetition**. This week children learn that a pattern is a sequence that repeats, and they copy and continue red–blue (AB) patterns.

Get ready (10 minutes before class)

- Cut red and blue paper (one sheet per child) and print the colour cards and pattern strips (Printables PDF).
- Count out large card counters for each pair (e.g. 4 red + 4 blue). Keep a note of how many went out.
- Optional: pre-punch holes in large card shapes and cut thick string.
- Read the lesson spec the evening before and lay out the cards.

Key words and hand signs

Word	Say it like this	Hand sign
pattern	“Something that goes again and again.”	Tap left, right, left, right
repeat	“Do the same again.”	Draw a circle in the air
same	“Just like that one.”	Point to two matching things
next	“The one that comes after.”	Point forward
colour	“Red, blue, yellow…”	Wiggle fingers like paint

> **RhinoBot tip**
> Always say patterns out loud: “red, blue, red, blue…”. Children hear the repeat before they see it. Then pause before the next one and let them call it out.

Safety: small pieces

No bottle caps or small pieces in child hands. Count counters **out** to each pair and **back in** at the end. All counters and threading shapes must be bigger than a toilet-roll tube opening.

No power, no device, no kit?

Fully unplugged. No coloured paper? Use sound patterns (clap, stamp) or children in two colours of clothing.

Checking learning

Watch, don’t test. Tick each child who copies and continues an AB pattern (Review sheet 06). Each child who does it gets a **Step Star sticker**.

Part B · Take-home note for parents and carers

Welcome to Term 2! This term your child learns about **patterns**: things that repeat. This week we made red, blue, red, blue patterns and said what comes next.

Try this at home (5 minutes)

1. Go on a **pattern hunt**: stripes on clothes, tiles, a fence, beads.
2. Make a pattern with spoons and forks, or cups of two colours: “spoon, fork, spoon, fork… what comes next?”

3. Clap a pattern: clap, tap knees, clap, tap knees. Let your child continue it.

Words to use together

pattern · repeat · same · next · colour

> **Play together**
>
> Scan the QR code in the book, or visit: https://rhinoxscientifica.com/q/n1-t2-w1
>
> There you will find the printable cards and a pattern game (optional; screen time is never needed for this lesson).