10 · Project sheet · Smart Review Stations

Robot / Maker Lab practical · Nursery 1 · Term 2 · Week 10 · Revision

1. At a glance

Time	40 minutes (four stations, about 6 minutes each)
Group size	Groups of 4–6 rotating; the teacher stays at Station 4
Learning goal	I can copy, continue and predict a pattern, and sort by one rule.
Coding idea	Bring it back from memory: patterns repeat, so we can continue and predict them; rules decide groups.
Week link	https://rhinoxscientifica.com/q/n1-t2-w10

2. Materials needed

Item	Per	Low-cost swap
Four station signs	class	Say the station name and show one example
Colour and shape strips + cards	station	Draw them on paper
Hoops + big objects	station	Chalk circles
W4 shape track	class	Chalk shapes on the floor
Term 1 step cards	station	Act the steps
Step Star stickers	child	Washable marker star on the hand

3. Safety and care

- Nothing smaller than a toilet-roll tube opening.
- Count pieces in and out.
- Walk between stations; small hops on the track.

4. Before the lesson

1. Place the four signs and the materials.
2. Print the Term 2 checklist and the MVL note (Guide 05).
3. Read the Common Mistakes table in the lesson spec.

5. Step-by-step guide

Step	Teacher says	Children do
1	“Clap, stamp, clap, stamp… freeze! What comes next?”	Say it and do it
2	“Two claps: move to the next station.”	Move on two claps
3	Station 1: “Look… now I hide them. Lay the same and add the next.”	Lay 3 cards from memory + 1
4	Station 3: “Sort by one rule. Say your rule.”	Sort; “My rule is colour!”

Step	Teacher says	Children do
5	Station 4: “Put Ayo’s morning in order. Now fix the swap.”	Order 3 cards; swap back two
6	“Draw your favourite pattern.”	Draw and share

6. Explore it

Question	Can we remember a pattern after it is hidden?
Predict	“Will you remember all three cards?”
Try	Look at 3 cards, hide them, then lay them again and add the next.
Observe	“Did we remember? What helped?”
Explain	Saying the pattern out loud helps us remember, because it repeats.

7. Talk about it

1a. What came next in your pattern?

1b. How did you remember the hidden cards?

1c. What was your sorting rule?

2a. Which station was easiest?

2b. Which was hardest?

2c. What is your favourite pattern this term?

8. Support and stretch

Support	Start with 2 cards; say the pattern together; extra turns at the hardest station.
Stretch (optional)	Harder station cards (ABB patterns). Never assessed.

9. How we check

Observation only, not marked. No quiz.

Look for	Secure	With prompts	Not yet
Copies and continues an AB pattern	☐	☐	☐
Says what comes next	☐	☐	☐
Sorts by one feature and says the rule	☐	☐	☐
Makes own AB pattern	☐	☐	☐

MVL thread (separate note, not part of the badge): orders 3 step cards and swaps back two swapped cards.

10. Take-home and parent note

> **Dear parent or carer**
> Today we did **Smart Review**: we remembered all our Term 2 patterns.

> At home: clap, stamp, clap, stamp… stop! Ask “What comes next?”

11. Show and share

- Children show their favourite-pattern drawings and say what repeats.
- Everyone says: “Smart thinkers notice repetition!”
- Every child who took part at all four stations gets a **Step Star sticker**.



The Step Star is a weekly sticker, not a badge. The term badge “Step Thinker · Term 2” is awarded in Week 13.