10 · Project sheet · Robot Says

Robot / Maker Lab practical · Nursery 1 · Term 1 · Week 1

1. At a glance

Time	40 minutes (fits the lesson; 10–15 min if used on its own)
Group size	Whole class, then groups of 4–6 with one "robot" at a time
Learning goal	I can follow 3 steps in order.
Coding idea	A robot follows steps in the order they are given. Change the order and something different happens.
Week link	https://rhinoxscientifica.com/q/n1-t1-w1

2. Materials needed

Item	Per	Low-cost swap
3 big step cards: clap, stamp, turn	group	Draw the actions on paper or the board
3 morning cards: wake up, brush teeth, eat breakfast	group	Draw them, or act them out
Masking tape (3 boxes, arrows 1 → 2 → 3)	group	Chalk lines or 3 sheets of paper on the floor
Cut-out Ayo	class	Any box with a face drawn on it
Step Star stickers	child	Draw a star on the hand with a washable marker

3. Safety and care

- Clear a space; children stand an arm's length apart.
- Turn slowly on the spot; no fast spinning.
- Stamp gently on the floor, never on feet.
- Large cards only; no small pieces (choking rule).
- No climbing on boxes or blocks.

4. Before the lesson

1. Print and cut the cards from the Printables PDF (one set per group).
2. Tape the 1 → 2 → 3 boxes on the floor.
3. Practise clap → stamp → turn yourself, slowly.
4. Read the lesson spec the evening before and lay out the cards.

5. Step-by-step guide

Step	Teacher says	Children do
1	"Robots do things one step at a time. Today you are robots!"	Stand up, arms like robots
2	"First… clap. Next… stamp. Last… turn." (show	Clap, then stamp, then turn

Step	Teacher says	Children do
	each card)	
3	“Again, robots! Watch the cards.”	Repeat clap → stamp → turn
4	Change the cards: “First… turn. Next… clap. Last… stamp.”	Follow the new order
5	“Who wants to show the cards?” (a confident child holds them)	Class follows the child’s cards
6	“Put your cards in the boxes: first, next, last.”	Groups order the cards and act them

6. Explore it

Question	What happens if we change the order of the steps?
Predict	“Will it be the same robot dance?” Thumbs up for yes, thumbs down for no.
Try	Do clap → stamp → turn. Then do turn → clap → stamp.
Observe	“What did we do first the first time? What did we do first the second time?”
Explain	Changing the order changes what happens. Robots follow the order they are given.

7. Talk about it

1a. What did you do first?

1b. What did you do next?

1c. What did you do last?

2a. When we changed the cards, was the dance the same?

2b. Which step moved?

2c. Why does a robot need the steps in order?

8. Support and stretch

Support	Start with 2 cards. Stand beside the child and do the actions together. Point to each card as it is used.
Stretch (optional)	Follow 4 steps: clap → stamp → turn → sit. Never assessed.

9. How we check

Observation only, not marked. Watch each child as the robot.

Look for	Secure	With prompts	Not yet
Follows 3 steps in the order shown	☐	☐	☐
Follows a new order of the same 3 steps	☐	☐	☐

10. Take-home and parent note

Dear parent or carer

Today we played **Robot Says**. Your child followed three steps in order, like a robot.

At home: say three actions (clap, stamp, turn) and let your child do them in order. Then swap: your child gives the order, you are the robot!

11. Show and share

- Each group shows one Robot Says round to the class.
- The class says “First… next… last…” together.
- Every child who followed 3 steps gets a **Step Star sticker**.



The Step Star is a weekly sticker, not a badge. The term badge “Step Thinker · Term 1” is awarded in Week 13.