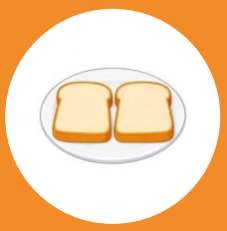
Sandwich-Bot command cards

Cut along the dashed lines. Lay the cards in a line, top to bottom, to make a program for your robot.



SPREAD

Wipe the knife across the top of the bread.



GET BREAD

Put 2 slices of bread on the plate.



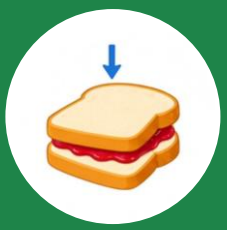
SERVE

Hand the sandwich to your programmer.



OPEN JAR

Twist off the lid.



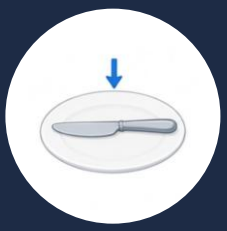
STACK

Put one slice on top of the other.



SCOOP JAM

Dip the knife in the jar. Lift some out.



PUT DOWN KNIFE

Lay the knife on the plate.



PICK UP KNIFE

Hold the knife by its handle.

YOUR OWN STEP

YOUR OWN STEP

Robot cheat sheet for grown-ups

Your job: be the robot

1. Do exactly what the step says. No more. No less.
2. Don't guess what your programmer meant.
3. Can't do a step? Freeze and say, "ERROR! Does not compute."
4. Be silly, not messy. Only the robot holds the knife.

When a card can't be done, do the silly, safe thing. Then freeze.

If this happens	The robot does this
SCOOP JAM, but the jar is closed	Tap the lid. "ERROR! The lid is on."
SCOOP JAM, but no knife in hand	Freeze. "ERROR! No tool."
SPREAD, but no jam on the knife	Wipe the clean knife on the bread. "Spreading nothing."
SPREAD comes after STACK	Spread the jam on top of the sandwich.
STACK, but no bread on the plate	Freeze. "ERROR! No bread."
SERVE comes too early	Hand over whatever is on the plate.
The list runs out of cards	Stop and wait. "PROGRAM DONE."

More than one order works. Try OPEN JAR first. Does the sandwich still come out right?

Play it online too.

In the Sandwich-Bot game, children build the same program on screen and watch the robot follow it, bugs and all.

Scan the code or go to **doalongstem.com/sandwich-bot**