

RVR Precision Movement Lab

CONTROL: predict, test, measure, and debug

Name(s): _____ RVR ID: _____ Date: _____

TOPIC Movement blocks	OBJECTIVE Use heading, speed, duration, and wait behavior to control a repeatable route.	EVIDENCE A seven-test evidence log and one accuracy claim.
---------------------------------	--	--

Safety + setup

- ☐ Clear a test lane before starting.
- ☐ Carry the RVR with two hands.
- ☐ Run one test at a time and stop before touching the robot.

Test plan

Test	Program change	Evidence question
1	Drive forward	What does the Drive control?
2	Speed 75 → 125	What changes? What stays the same?
3	90° turn	What heading makes a right turn?
4	Roll to distance	How close is the robot to the target?
5	Wait vs. no wait	Which blocks run in order?
6	Lights + sound	Which actions can overlap?
7	Accuracy trial	Can the route repeat three times?

Evidence log

Test	Prediction	Observed result	Screenshot?	Next change
1				
2				
3				
4				
5				
6				
7				

Precision claim

Our route became more repeatable when we _____ because _____.

One source of error we could not fully control was _____.

Turn in

- ☐ All seven evidence rows
- ☐ Required screenshots inserted or uploaded
- ☐ Precision claim completed