

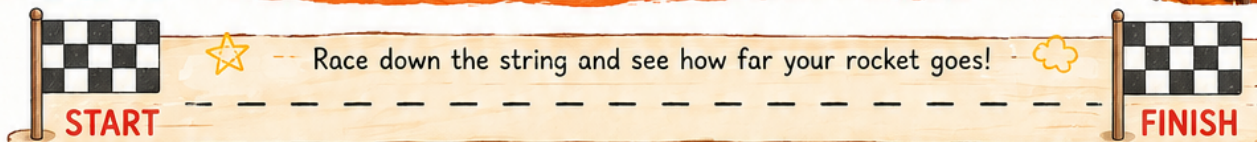


Let's see
which rocket
wins!

Rocket Race Score Sheet

★ Freddy & Fix's Balloon Rocket Races — Episode 3

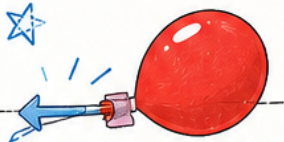
Ready,
set, LAUNCH!



START

FINISH

Test ★	Estimated Time / Distance (Before Launch) ⌚	Actual Time (Seconds) ⌚	Actual Distance (Feet or Meters) 📏
1 Small Balloon 🎈	_____	_____	_____
2 Large Balloon 🎈	_____	_____	_____
3 2 Balloons Tied Together 🎈🎈	_____	_____	_____
4 Uphill String ↗️	_____	_____	_____
5 Downhill String ↘️	_____	_____	_____
6 Custom Test: ? 🎈	_____	_____	_____



Air rushes
out this way.

Rocket moves
this way!

Newton's Third Law:

every push creates an equal
push back! That's how your
balloon rocket — and real
rockets — fly!



My Rocket Race Challenges ★

- ☐ Raced a small balloon
- ☐ Raced a large balloon
- ☐ Tried 2 balloons tied together
- ☐ Tested an angled string



SCIENCE
WORDS TO
REMEMBER!



NEWTON'S THIRD LAW

For every action
(push), there is an
equal and opposite
reaction (push back).



THRUST

The push or force
that moves a rocket
forward.



FORCE

A push or pull that
can start, stop, or
change the motion
of an object.

COMING
NEXT!

Episode 4: Magic Milk Color Burst

What happens when colors
come to life in milk?



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