Rocket engineer challenge

Design, predict, test, and change one thing.

GROWN-UP SAFETY

This is a drawing and a record of the rocket game. It is not a plan for a real rocket, fuel, or fire.

1. Choose the mission

- ☐ **Earth orbit**
- ☐ **The Moon**
- ☐ **Mars**

2. Design the rocket

DRAW AND LABEL

Nose, fuel, and engines

DESIGN CHOICES

Cargo

☐ Less ☐ More

Fuel

☐ Less ☐ More

Engines

☐ Less ☐ More

My prediction

What happened?

Engineers change one thing, then try again.

If you used the rocket game, write whether it flew, fell short, or ran out of fuel. If you only drew, write what you would test first.

DRAW OR DESCRIBE THE RESULT

One thing I will change

Why I think that may help

ENGINEER HABIT

Change one thing. Test it. Compare. Do not change fuel, cargo, and engines all at once.