

S.C.R.A.P. CHALLENGE



Student Guide

Level 1

Recommended for students in years 3 and 4.

Mission

Design and build an air-powered paper rocket that will:

- launch successfully,
- fly high,
- travel straight.

Questioning and predicting

In the space below, sketch a design for your rocket.

Think about:

Nose cone shape

Body length

Fin shape

Fin position

Fin size

Number of fins

Make sure you label all the parts.

Choose **one** part of your rocket that you will change and test:

Nose cone shape

Fuselage length

Fin shape

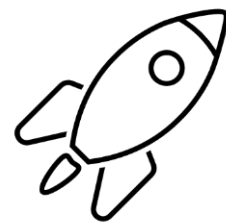
Fin position

Fin size

Number of fins

I am going to change _____

Time to build and test your rocket.

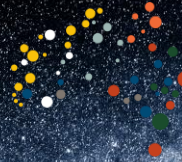


Testing and recording

Rocket description	Launch distance	Notes/changes



Australian Government



Australian
Space Agency



Australian
Space
Discovery
Centre