

Plot the trajectory of your rocket prototypes to give you more data on how to improve them.

Trajectory is the path your rocket follows as it moves through the sky.

Step 1

Find the best video of your prototype rocket launch.

Step 2

Ask Mission Command to project the video onto the whiteboard.

Tip! If you don't have a projector, you can use tracing paper laid over a computer screen or tablet.

Step 3

Pause the video at the beginning of the launch and draw a mark over your rocket.

Step 4

Stop the video frame by frame, each time drawing a mark over your rocket. Stop when your rocket reaches the ground (or goes out of frame).

Step 5

Connect each mark to form your line of trajectory.

Ka rawe space crew!
You can keep each trajectory line on the board or plot them onto a graph.

Analysis:

In your crew, think about what your rocket trajectory means, and how you could use it to improve your prototypes.