Engagement exercise

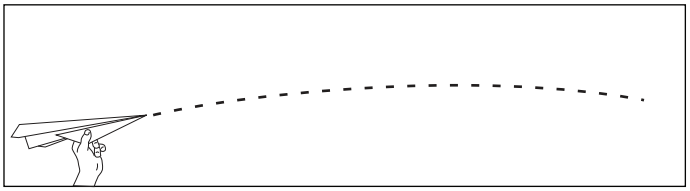
Middle–Upper primary

ENGINEERS AUSTRALIA

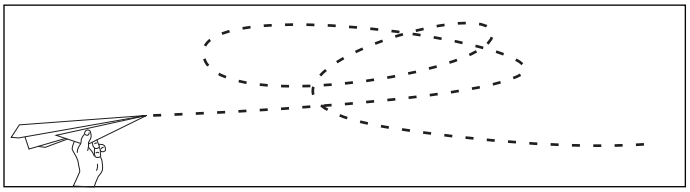
What do we do?

1. Get into teams of 3 or 4.
2. Choose a challenge.
3. Choose a plane design that you think will solve your chosen challenge the best.
4. Before you start:
   - A Write down which plane you choose.
   - B Write down which challenge you chose.
5. Build the paper plane using the instructions provided.
6. Test the paper plane as directed by your teacher.
   - C What happened?: Record your results.
7. Adjust your plane design if needed and continue with your next attempt from step 4.

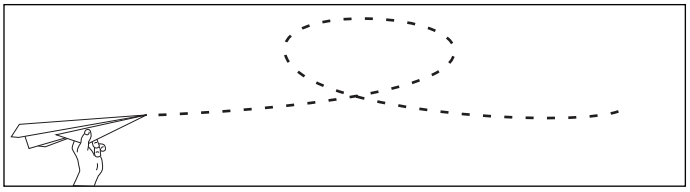
Challenges



Challenge 1 — Your plane must fly across the room in a straight line



Challenge 2 — Your plane must stay in the air for 7 seconds or longer



Challenge 3 — Your plane must peform a single loop

Results table

A Which plane did you choose?

B Which challenge did you choose?

	1st attempt	2nd attempt	3rd attempt
C WHAT HAPPENED?			