

Test your aerospace engineering knowledge

1+
HOURS

Materials

- › Printer
- › Paper/Card
- › Scissors
- › Glue



Activity Overview

- › Play a game of Planes and Parachutes to see if you can reach 100 first!

Activity Plan

- › Cut out the playing pieces, question cards and dice. Fold the dice along the lines and stick the flaps down to form a cube.
- › All players must start on 1.
- › Every player should roll the dice, the highest number goes first.
- › The first player should roll the dice, then move that number of spaces on the board, following the number order.
- › If you land on a **blue** star, follow the trail upwards to the aircraft.
- › If you land on a **pink** star follow the line down to the parachute.
- › If you land on a **yellow** star the the person to your left must pick up a question card and ask you the question. If you get it correct then you can roll the dice and move again. If you get it wrong then you must forfeit your next go.
- › The first to reach 100 wins

Learning Objective

- › Test the knowledge that you have learnt from all of our previous activities
- › Reach 100 before anyone else!



Reflection Questions

- › Could you answer the questions? If not, what activity should you go back and do again?
- › Could you create some of your own questions for the next time you play Planes and Parachutes?



Utilising engineering expertise within Babcock

Babcock utilises engineering expertise to allow our customers to carry out critically important activities. In Aviation, our expertise ensures that aircraft can safely take off and land and that pilots are well trained to carry out their missions, whether that is saving lives, protecting communities or defending countries.

Babcock Aviation operates at over 300 sites with around 6,000 employees including more than 1,300 pilots and 3,000 aircraft engineers. These careers are vital to our operations and the knowledge that every single employee brings to the business is crucial to its success.



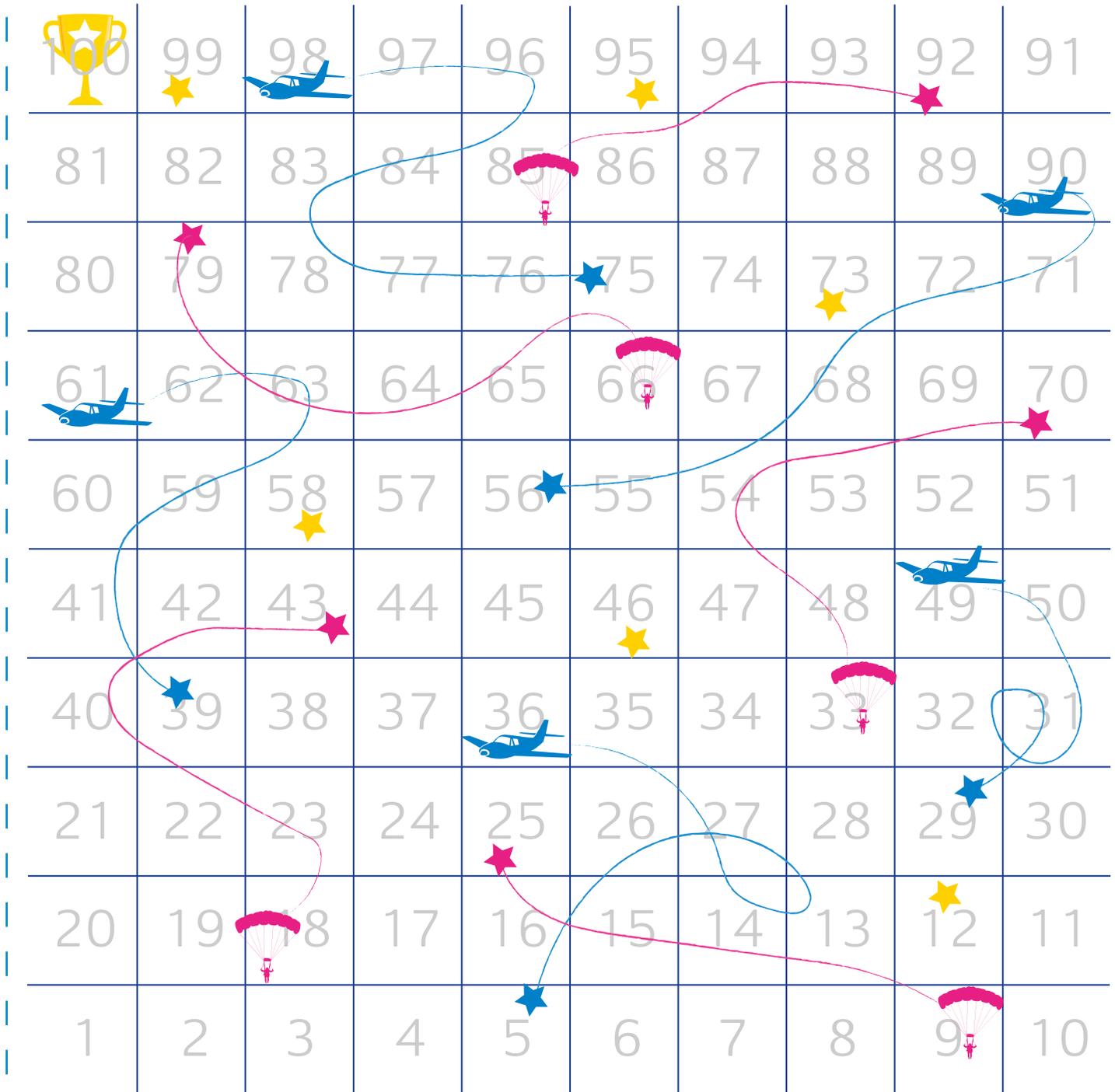
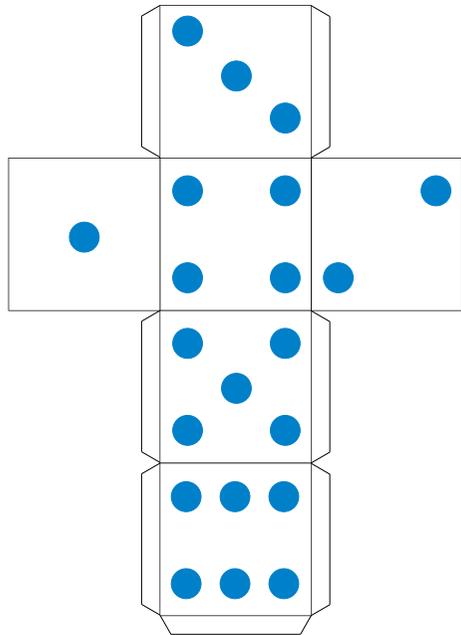
All of the activities that we have been providing for you are fun but also teach you crucial lessons that we utilise every day. If you've been enjoying learning about these subjects and how they are applicable to what we do as a business then engineering, especially aerospace engineering, may be a good career path to consider.

You can find all of our previous activities and activities from other parts of Babcock on our website at

<https://www.babcockinternational.com/who-we-are/babcock-and-stem/>

Planes and Parachutes

The first to reach 100 wins!



In the equation $F=MA$,
what does A stand for?



Acceleration

What force pushes an
aircraft forward?



Thrust

What does J stand for in
the phonetic alphabet?



Juliet

What does Q stand for in
the phonetic alphabet?



Quebec

What measurement is
used for wind speed?



knots

How many forces of flight
are there?



Four

What do the numbers at
the end of the runway
signify?



The angle from North

What is the bottom of an
aeroplane called?



The undercarriage

What spins on the front of an aeroplane?



Propellor

What does EMS stand for?



Emergency Medical Services

What does E stand for in the phonetic alphabet?



Echo

What force makes an aircraft move upwards?



Lift

How do pilots communicate with each other?



Radio

What does QFE stand for?



Query: Field Elevation

What is the centre of gravity on an aircraft?



The point where weight is equally balanced

Aircraft can be split into fixed wing and...?



Rotary wing