











**DRIVE SLOWLY**

**DUST  
BRINGS  
SHELLS**





DRIVE SLOW

DUST  
BRING  
SHEET



Land Warfare











#### Gloster Javelin FAW9

The Javelin was the RAF's main all-weather fighter from 1955 to 1966. It replaced the Phantom III from 1955 to 1961.

The Javelin was used by the RAF from 1955 to 1966. It was replaced by the Phantom III in 1966.

Principal variants include the standard Javelin, the Javelin FAW9, the Javelin FAW9C, and the Javelin FAW9D.

The Javelin was developed by Gloster Aircraft Company. It was the first British jet fighter to be designed and built entirely in the UK.

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**Aircraft shapes and designs will change as new technologies are developed**

**New materials**  
New materials are being developed that are stronger and lighter than those used today.

One area of research is morphable technology. This involves structures made from tiny tubes of carbon. They can be very light but also very strong.

Special composites have been developed that "heal" when damaged, just as human blood clots in a wound to protect it. These composites contain tiny containers filled with a special liquid. When the containers break, the liquid leaks out and sets automatically to repair the damage.

**Changing shapes**  
Morphing structures are a new concept that may replace conventional control surfaces. A morphing wing would be able to alter its shape to change the flow of air over that area. This would mean fewer mechanical moving parts, such as ailerons and flaps.

The grace of carbon fibre composite laminates or sheets can change its shape under pressure. This type of material is sometimes known as "multistable" or "shape-memory". It could be used to morphing aircraft designs.



AEAE





### In 50 years will there be more airships than aeroplanes?

Some people predict that airships will again be popular passenger vehicles. An airship is much slower than an aeroplane, but uses less fuel.

- 1  
Press the Yes or No button to vote.
- 2  
Want to know more? See the Return of the airship section of this display.
- 3  
Press the Previous button to see the results of previous votes.

Yes

No

Previous



What has aviation done for me?



White  
Hus



Feltwell E





EXIT THIS WAY  
←

Abercrombie  
& Fitch



011552/02

BOM

West Coast

THE GREAT





I'M NOT

BOSS

I JUST

WHAT

I WAS







