

Great  
Science  
Share  
for SCHOOLS

# Great Glider Share 7-11 years



Jules Pottle & R. Thomas

Garry

Vivvy

Winners of  
ASE 'Book of the Year'  
2019 with  
'The Molliebird'



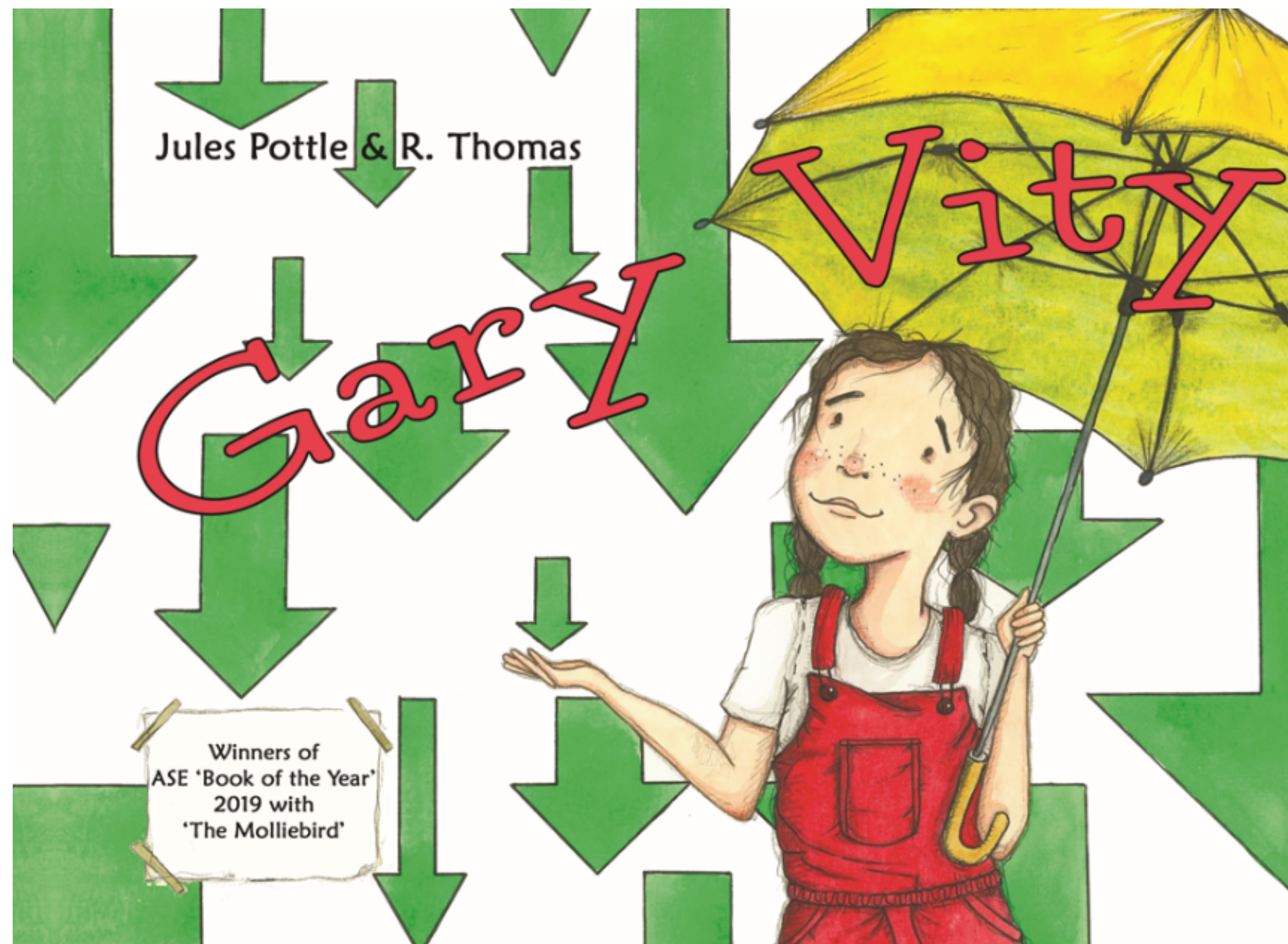


# Link to the story

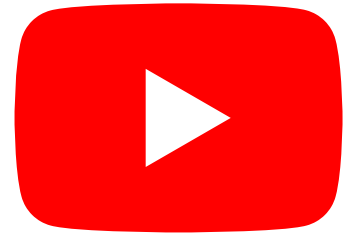
<https://youtu.be/pKvdZXuTocc>



**Author: Jules Pottle**



# Aerospace engineer – what do they do?



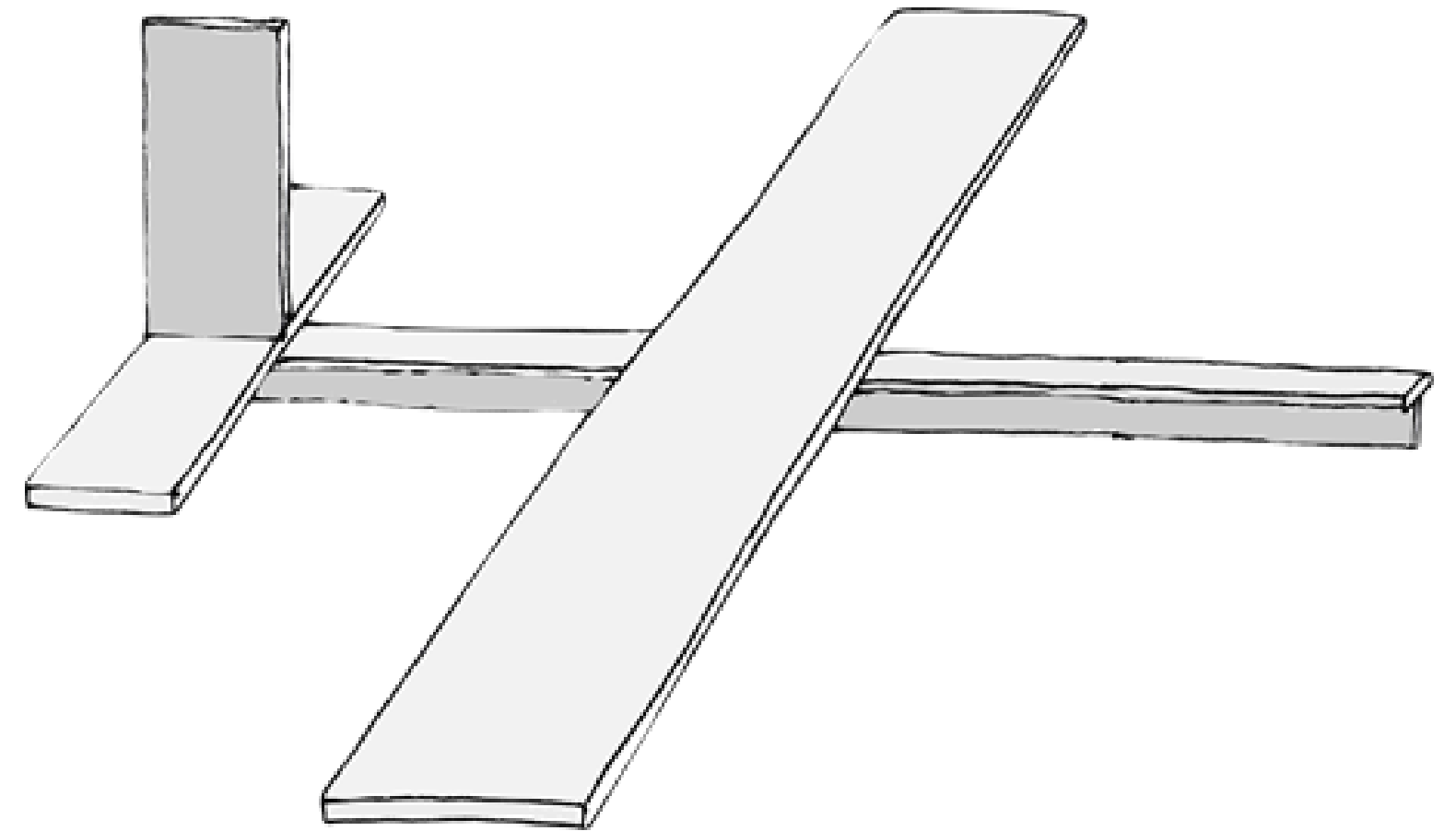
**Link to an introduction  
to the enquiry**

<https://youtu.be/Bfs9mKsy-Gw>



**Dr Ben Parslew  
Aerospace Engineer**

# Spot the difference

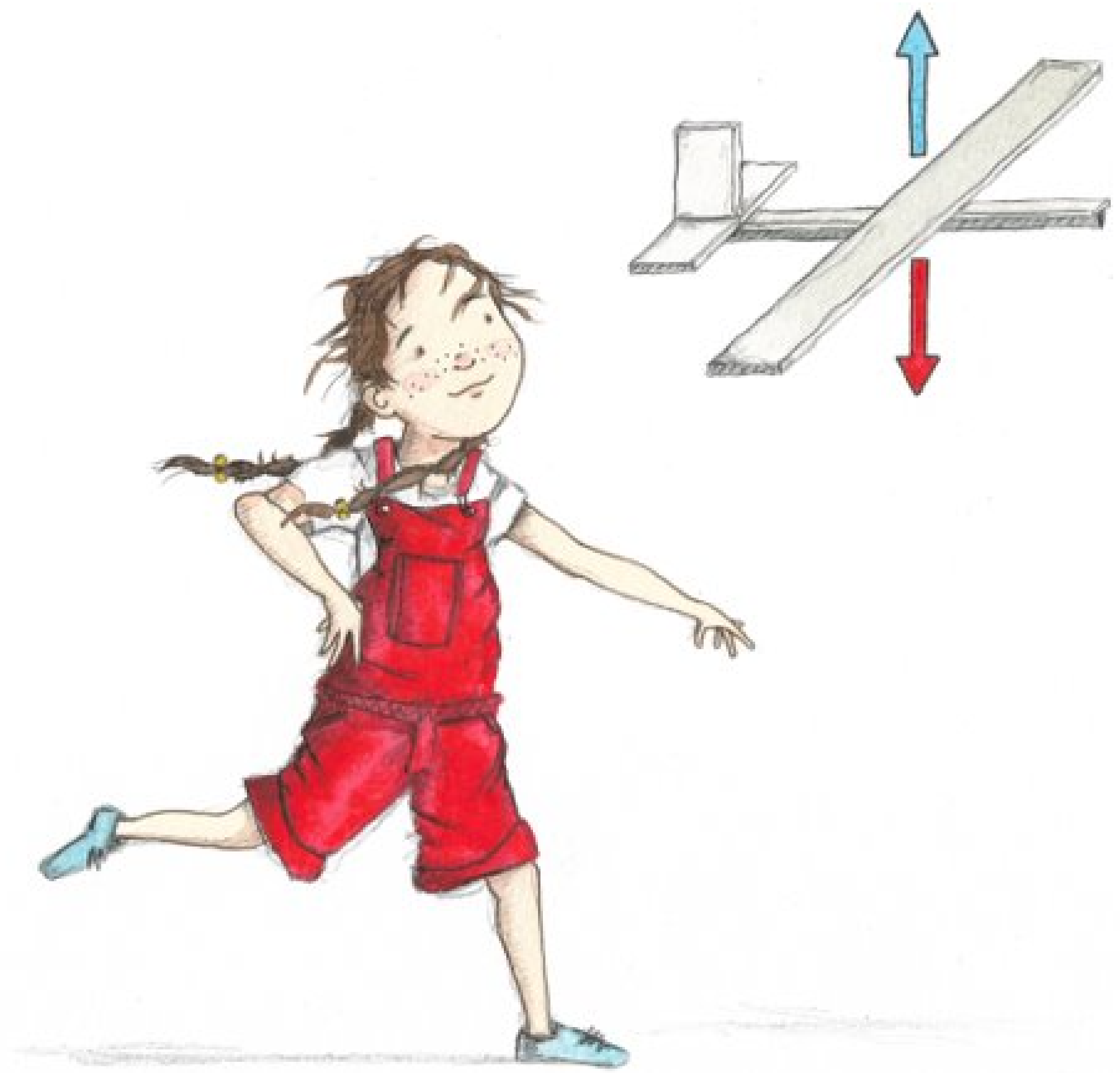


**tail**

**fin**

**wing**

**fuselage**

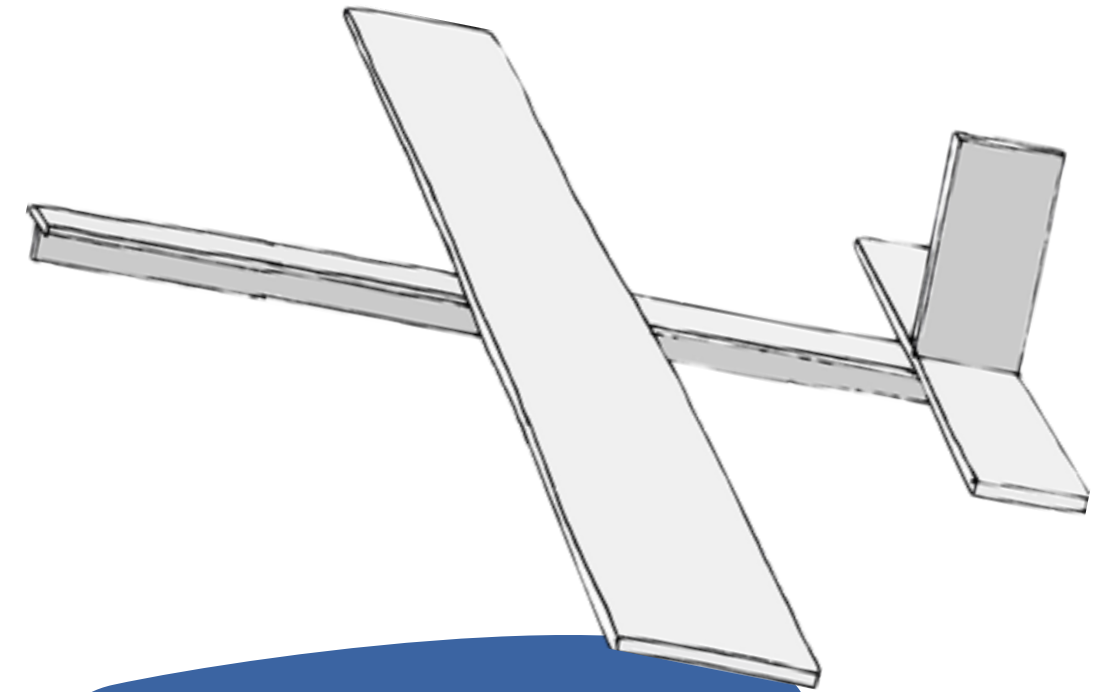


**Does the way we make the glider affect how far it travels?**

# Does the way we make the glider affect how far it travels?



This is a **comparative test**. You are changing one thing - the **independent variable** - whilst measuring the **dependent variable** and trying to keep everything else the same - the **control variables**



What are we changing?

What are we keeping the same?

What are we measuring?

# Does the way we make the glider affect how far it travels?



**We think...**

**because...**

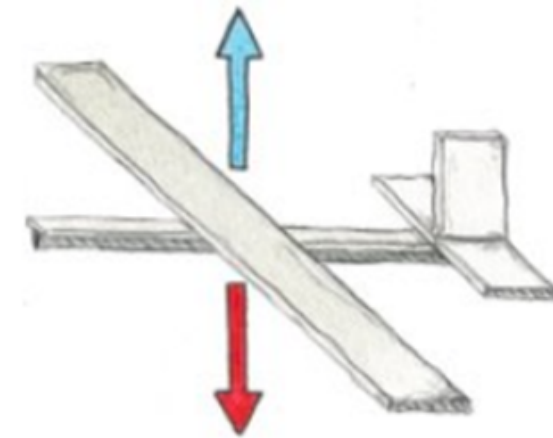




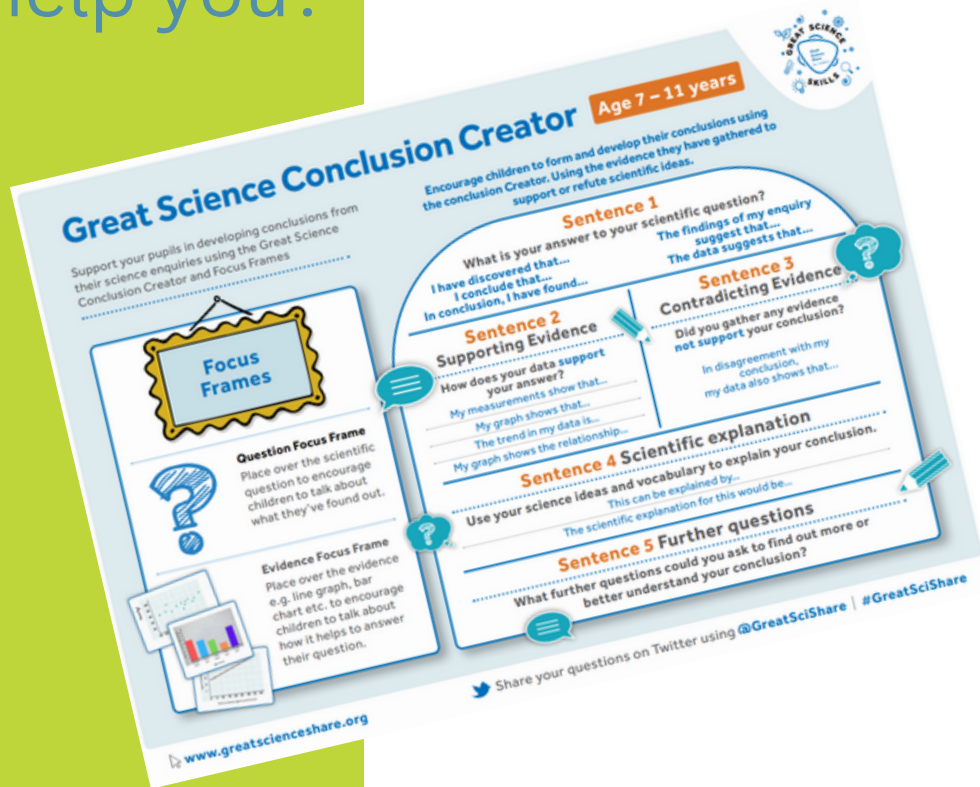


# We are ready to draw our conclusions.

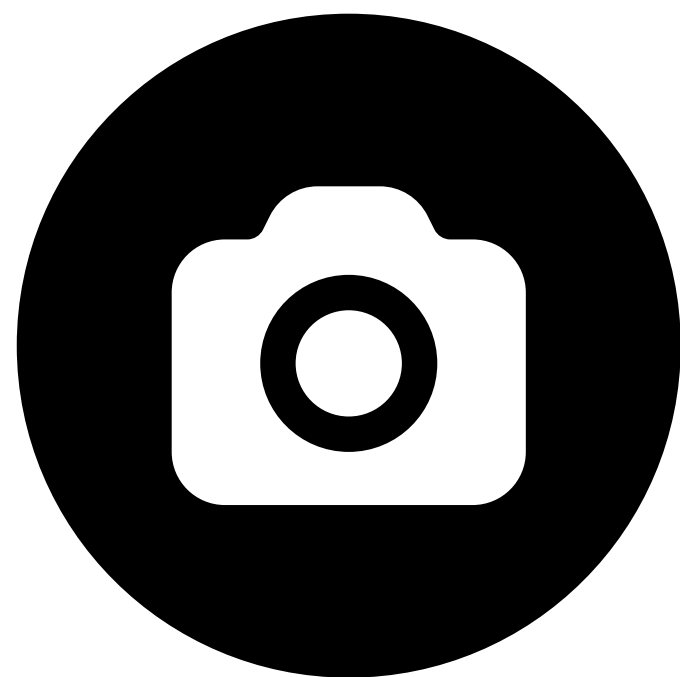
Does the way we make the glider affect how far it travels?



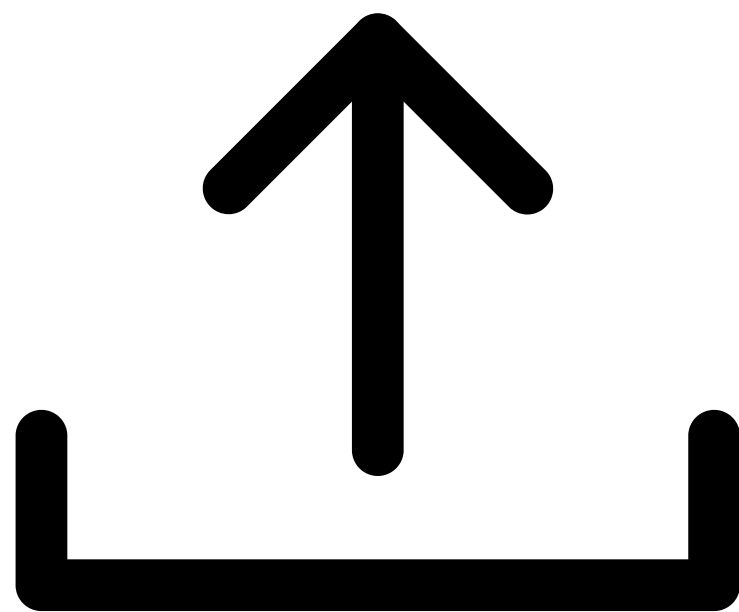
We have found out that...  
We think this because we observed...  
Our measurements show this because...



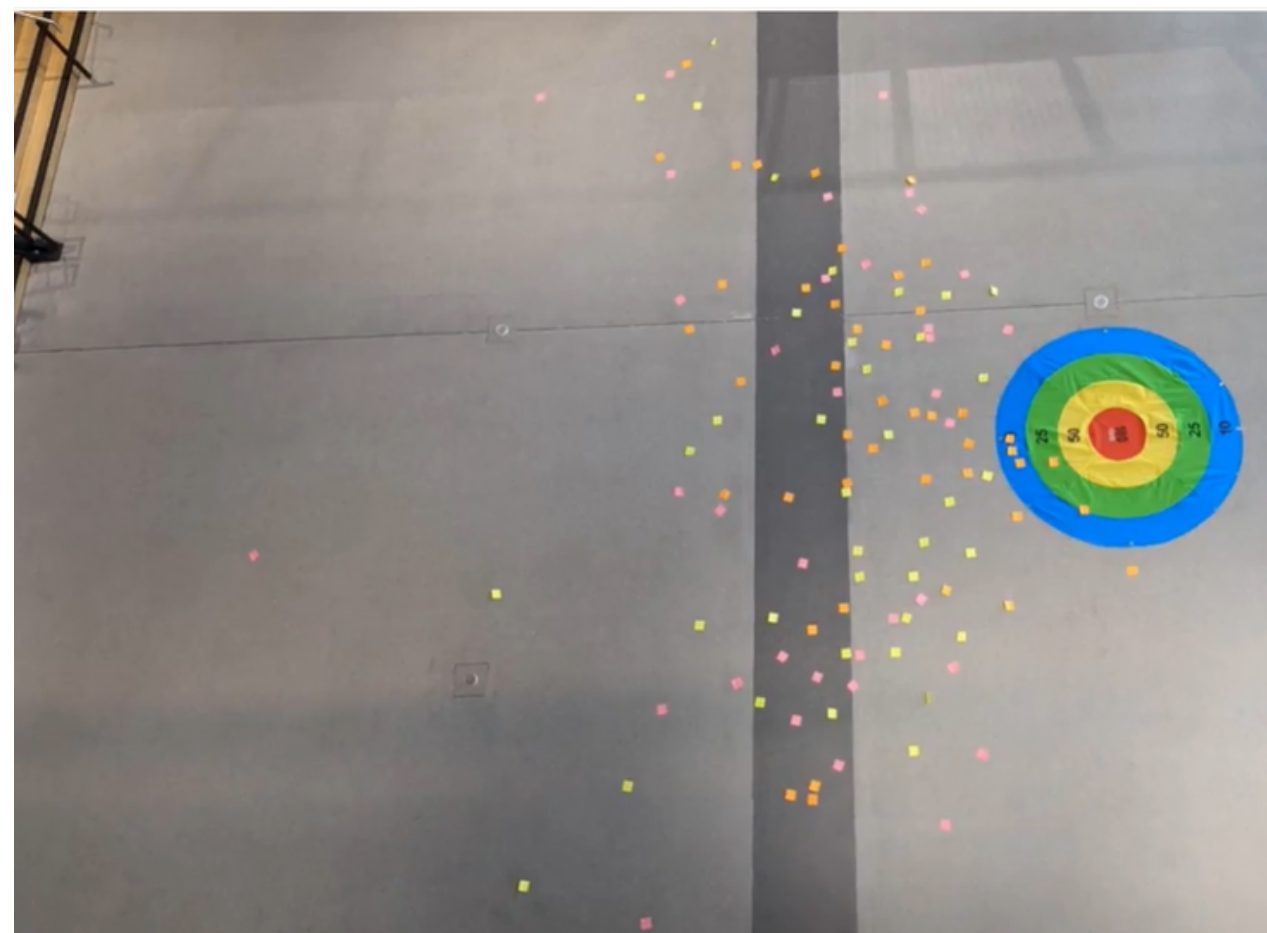
Can the Conclusion Creator help you?



**Return a photo of your landings to**  
**Dr Ben Parslew -**  
**Aerospace Engineer**



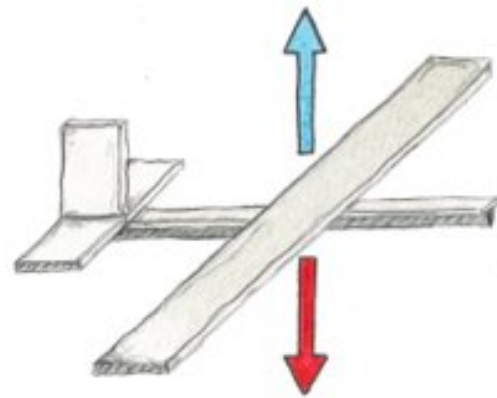
Upload to  
<https://tinyurl.com/Great-Glider-Share-Uploader>



@GreatSciShare



Questioning



# Glossary



**Comparative test**  
where one variable is changed to see how it affects the results

**Reliable**  
able to be trusted

**Flight**  
the action or process of flying through the air

**Independent variable**  
what is changed in an enquiry

**Control variables**  
what is kept the same in an enquiry

**Glider**  
a light aircraft that is designed to fly without using an engine

**Dependent variable**  
what is measured in an enquiry

**Wing**  
a rigid horizontal structure that projects from both sides of an aircraft and supports it in the air

# With special thanks to The Ogden Trust, The University of Manchester and Fox Creatives



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