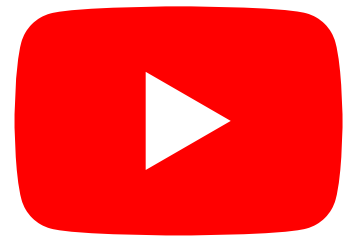


Great  
Science  
Share  
for SCHOOLS

# Great Glider Share 11-14 years



# Aerospace engineer – what do they do?



**Link to an introduction  
to the enquiry**

<https://youtu.be/NtGZh2EektE>



**Dr Ben Parslew  
Aerospace Engineer**



# Similarities and Differences



*image credit: Regiegeige*



*image credit: NASA*

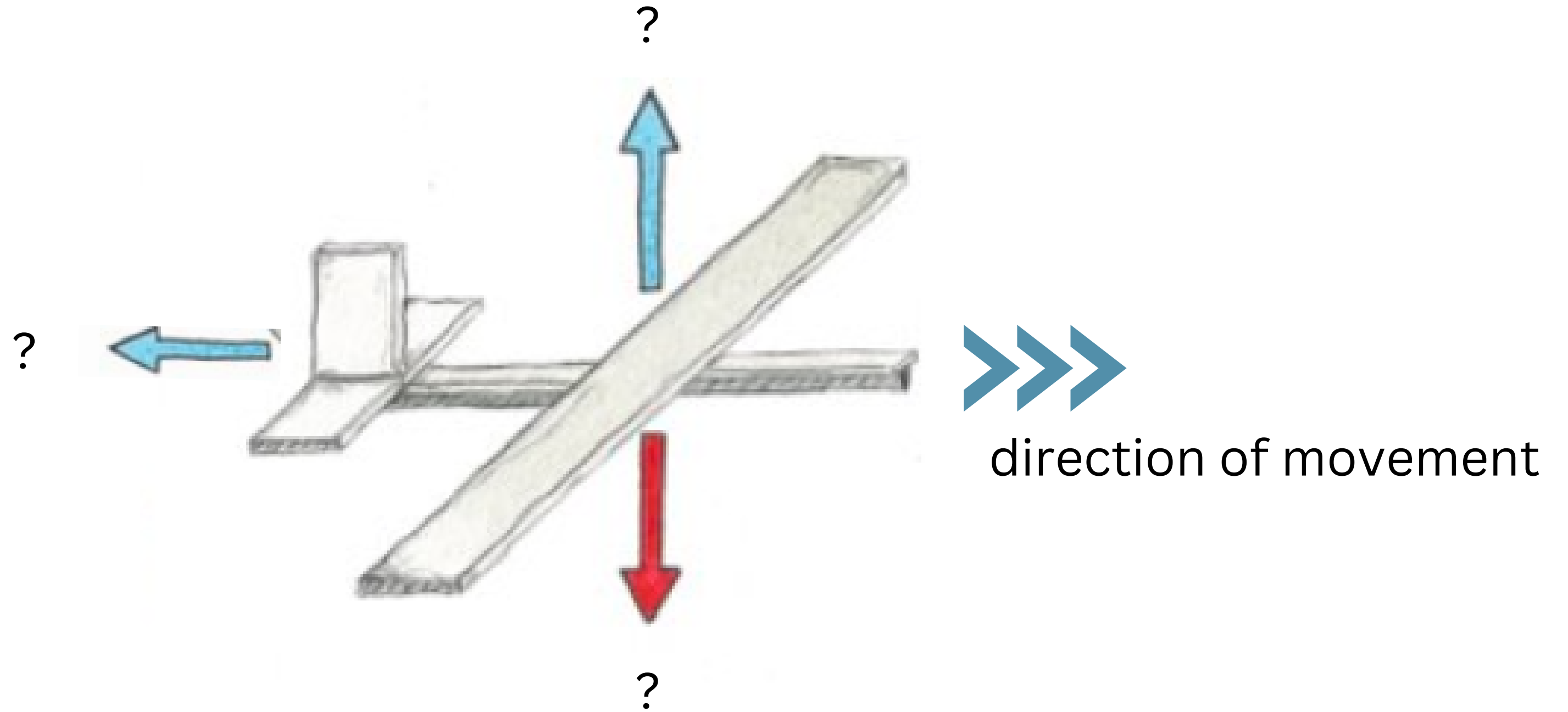


*image credit: Eric Salard*



*image credit: Balon Greyjoy*

# Glider Forces

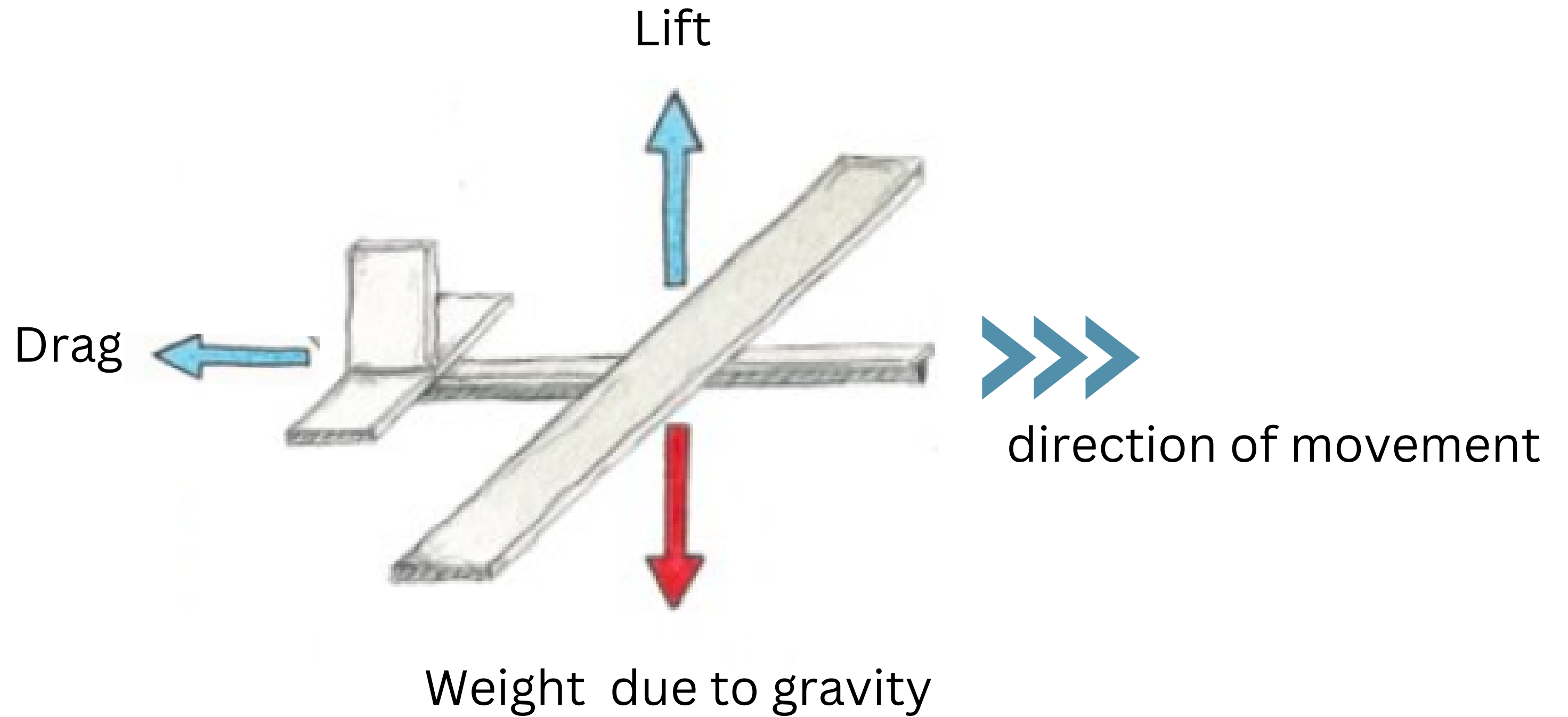


Weight due to gravity

Drag

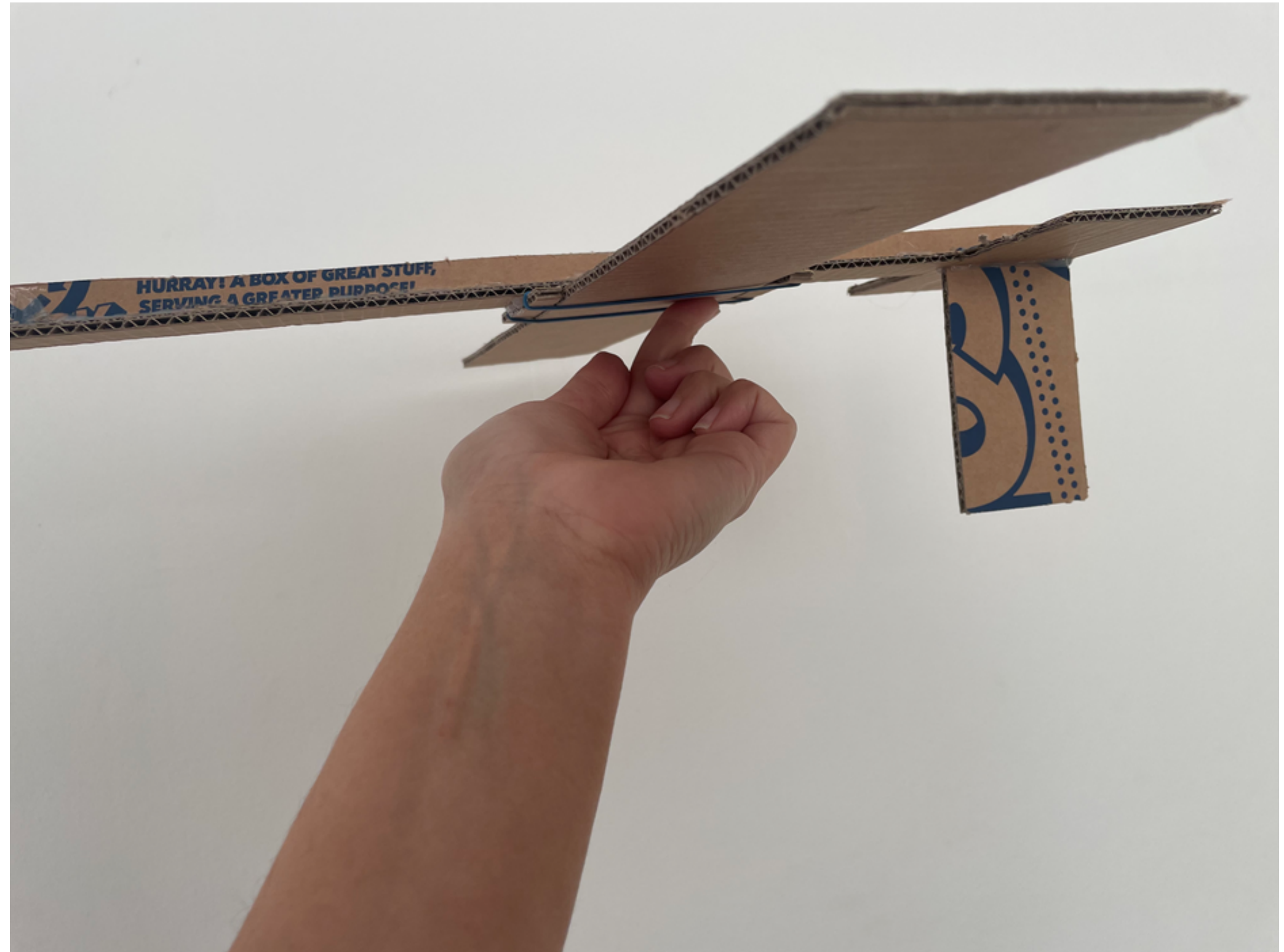
Lift

# Glider Forces





# Describe the centre of gravity, and how can you find it?

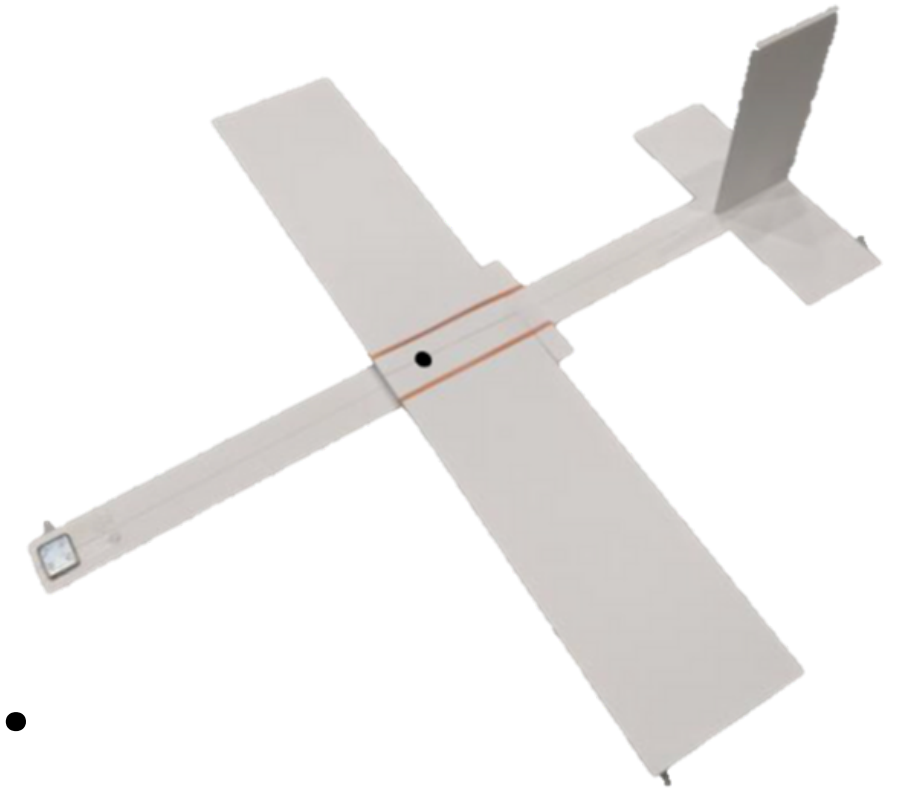


# What difference does the position of the ballast weight have on the distance a glider flies?

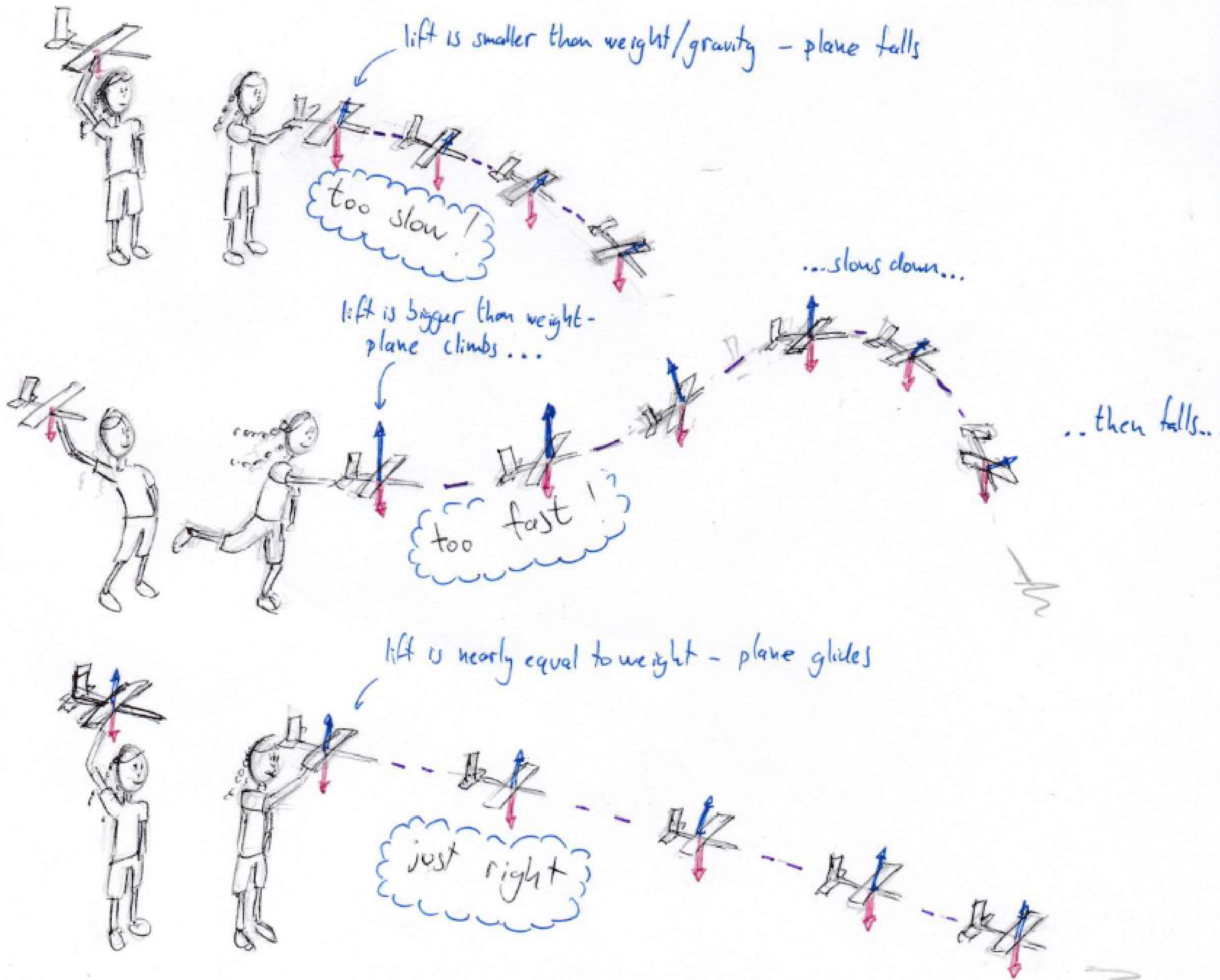


**We think...**

**because...**



# The art of glider travel







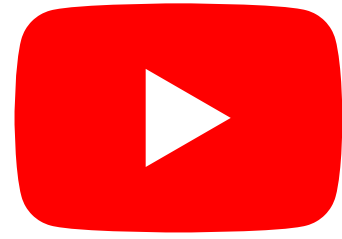
**Share your findings in a  
style of your choice to  
Dr Ben Parslew -  
Aerospace Engineer**



@GreatSciShare



# Is flight sustainable for future travel?



**Link to the video to  
find out more**

<https://youtu.be/nHjaBiW9ibc>





**Questioning**





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



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