



Women Gliding and WWGC2022

*And Now for Something
at least Slightly Different!*

Liz Sparrow, Comp Director







INSPIRE

GROW

COMMUNITY

INSPIRE



Yourself



Schools and youth groups



Business partners



Zoom Meeting

Recording

View

Carol

Liz Sparrow Ace Racing Pilot

Nicola C

Edwige

Sarah Platt

AMulder

Paula Drazul

evannech

Alicia Carpenter

Francesca Aitken

Francesca Aitken

Benjamina

Ellie

Harriet

Benjamina

From Harriet to Everyone
Sorry my internet is barely managing audio!

Harriet

Mute

Stop Video

Participants 13

Chat

Share Screen

Record

Reactions



BRITISH WOMEN'S TEAM – WWGC2022



*Who
is
who?*

**IN THE
WWGC2022
COMPETITION
TEAM**



Frouwke Kuijpers
Steward

Learn about Scrutineering [#shorts](#)

YouTube GB Search

1st FFAI WOMENS WORLD GLIDING CHAMPIONSHIP 2022

We're here for episode 3 of the WWGC 2022 competition blog.

HUSBANDS BOSWORTH

Association of Inner Wheel Clubs in GB&I
STRONG WOMEN
STRONGER WORLD
2021-2024



BRITISH
GLIDING
ASSOCIATION



11th FAI



WOMEN'S
WORLD
GLIDING
CHAMPIONSHIP

11thFAI



WOMEN'S
WORLD
GLIDING
CHAMPIONSHIP

2022



Gliding STEM Resources



Clouds and Glider Racing

Do you know about gliding?

Do you know what a glider can do? It's an awesome way to fly, and glider pilots fly hundreds of kilometres at speeds of over 100kph just using renewable energy from the sun and the wind.

Your challenge: to show how convection makes hot air rise and clouds form, and learn how this helps gliders race.

What you need:

- A clear 2l plastic drinks bottle with the top cut off. Use sticky tape to attach a piece of white to the bottle to make a good background to observe what happens
- The smallest jar or bottle you can find and string to make a handle for the small jar long enough to lower it to the bottom of the large bottle
- Hot and cold water and food colouring or ink to colour the 'thermal' so you can observe it



The experiments:

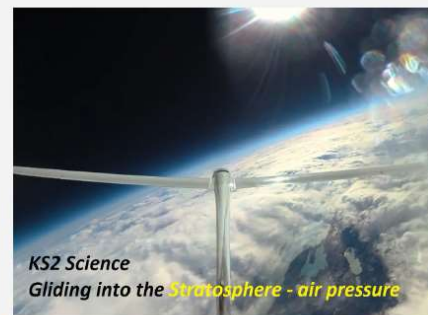
Convection occurs when one part of a gas or liquid heats up. Convection occurs exactly the same way in both **gases** and **liquids** as they are both **fluids**. When a fluid is heated in one area, it expands and becomes less dense. Since it is less dense, it will rise through the other fluid. These experiments show that hot air rises by convection, and look at how that happens. As gases and liquids behave the same way, we can use water to simulate air in our experiment. It's much easier to do the experiment with water!

The small jar will contain be our thermal and the large drinks bottle will be the surrounding air and sky into which our thermal will rise.

We'll do three experiments:

1. Hot water with food colouring or ink in the small jar and cold water in the drinks bottle
2. Warm water in the jar, only slightly warmer than the cold water in the bottle
3. Cold water in the jar and warmer water in the bottle

Q: Why do you think we are doing these three experiments? A: _____



This activity builds students' ab currents rise. National curriculum areas addressed include comparative and fair tests, observations, states of matter and the water cycle.

[KS2 Science Clouds and Glider racing Teacher notes v1 2](#)

[KS2 Science Clouds and Glider racing Student Worksheet v1 2](#)

[KS2 Clouds and Glider Racing main video](#)

[Role model video – Aude, meteorologist](#)

[Role model video – Anne, engineering student](#)

This unit builds students' ability to work scientifically, investigating the fact that air has weight which creates air pressure. National curriculum areas include comparative and fair tests, observations, taking measurements, mass, gravitational force and weight.

[KS2 Science Gliding into the Stratosphere Teacher notes v1 0](#)

[KS2 Science Gliding into the Stratosphere Student worksheet v1 0](#)

[Gliding into the Stratosphere video](#)

[KS2 Gliding into the Stratosphere 16 9](#) – optional Powerpoint presentation in place of the video if required

11th FAI



2022

13-27 AUGUST 2022
THE GLIDING CENTRE
HUSBANDS BOSWORTH



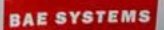
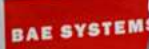
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Lutterworth Town Estates Charity
Registered Charity 217609



Lutterworth Town Estates Charity
Registered Charity 217609





The 11th FAI Women's World Gliding Championship (WWGC) in numbers



43 pilots



12 nations



500 launches



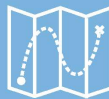
Total distance flown
83,530 km
2.1 times around the Earth!



Fastest flight
509 km at **142.43 km/h**



Highest climb **9,396' 2,864m**
Twice the height of Ben Nevis!



Furthest **volunteer** Georgia lives
18,238 km from WWGC2022
Furthest **competitor** Paula lives
11,759 km from WWGC2022

you can't get further away!>>>>





Thank you!

