



**STEM**

OPPORTUNITIES IN AVIATION & AEROSPACE

## Civil Aviation Authority – DofE Skill Activity Logbook

# Gliding

Participant name: \_\_\_\_\_

Participant age: \_\_\_\_\_

eDofE ID: \_\_\_\_\_

DofE Level (Bronze, Silver, Gold): \_\_\_\_\_

Start Date: \_\_\_\_\_



**DURATION**  
3 months



**MATERIAL REQUIRED**  
Pen and paper (optional)

## The Duke of Edinburgh's Award Gliding

Thank you for choosing the Gliding course through the Civil Aviation Authority. We are keen on sharing our knowledge with the next generation of talent to enter the aviation industry and giving you the opportunity to learn a new talent. This course will contain key skills such as the different types of gliders available and how to keep your glider airborne after takeoff.

The below is a series of signposts of work that can be undertaken in any order. Each activity should last a minimum of one hour per week for the minimum time suggested. This course is designed for Bronze level award lasting 3 months (13 weeks), and can also be used to combine to achieve Silver and Gold awards.

After completion of the course please confirm you have done so by emailing [dofe@caa.co.uk](mailto:dofe@caa.co.uk) with your eDofE ID so we can process your skills award.

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You may fill the sheet digitally, or handwrite answers before scanning them for submission.

1

## Reference Terms 1

Research the history of gliding and differences between gliding and powered flight.

2

## Reference Terms 2

From your research undertaken in Reference Term 1 and in your own words, provide a summary / definition of what you have learnt.

Highlight any pros and cons of both forms of flight. Please ensure to reference your sources.

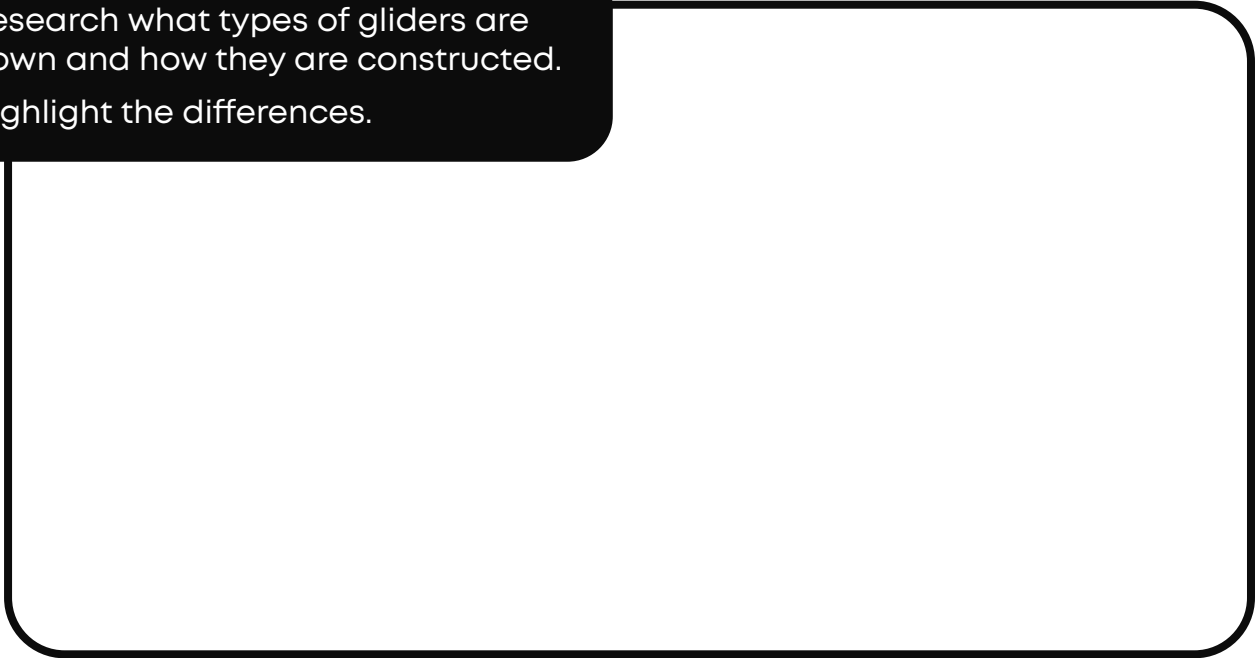
You may fill the sheet digitally, or handwrite answers before scanning them for submission.

3

4

### Types of Gliders

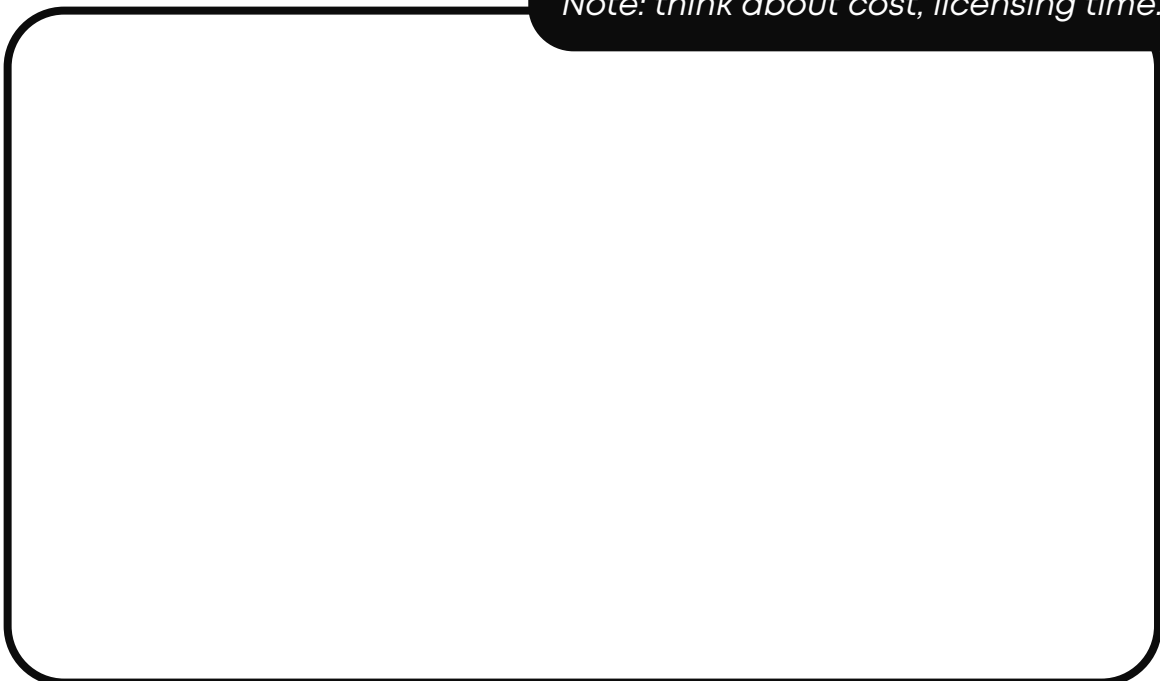
Research what types of gliders are flown and how they are constructed. Highlight the differences.



5

### Licensing and Cost

Explore how to become a glider pilot.  
*Note: think about cost, licensing time.*



You may fill the sheet digitally, or handwrite answers before scanning them for submission.

6

7

## Gliding Sites

Research the total number of gliding sites within the UK. Provide a summary of how many sites there are and how they may be marked on an aeronautical chart. Research how glider sites are notified to other aviation user.

*Note: are all gliding sites civil?*

You may fill the sheet digitally, or handwrite answers before scanning them for submission.

8

9

## Launch Methods

Research how gliders are launched. Highlight what equipment is involved and what types of launch methods are available. Feedback the benefits and issues of methods researched.

What hand signals are used by a glider pilot during the launch procedure?

You may fill the sheet digitally, or handwrite answers before scanning them for submission.

10 11

## How does a glider stay airborne

Investigate what forces are involved when a glider is airborne. Research how a glider may move in the air and what makes it move. Investigate how a glider can stay airborne for a prolonged period and what a pilot needs to be able to do to accomplish this.

You may fill the sheet digitally, or handwrite answers before scanning them for submission.

12

## Cockpit Aids

What instruments are available to a glider pilot in the cockpit. Describe the purpose of the flight instruments.

13

## Control Surfaces

Investigate what control surfaces are on a glider and describe the effects of these control surfaces.

Congratulations on completing the logbook!