



Activity 18: Lighter Than Air

Question

How can hot air balloons float on air?

Resources

Access the website link from the online course.

- Hot Air Balloon Game (website)

Instructions

- 1 Start by clicking on **Parts** to learn about the parts of your hot air balloon.
- 2 Complete the information in the **Training** section of your **Hot Air Balloon Flight Log**.
- 3 Click **Lifting**, and in your **Flight Log**, explain how lifting and falling occurs.
- 4 Click **Direction**, and in your **Flight Log**, explain how balloons change direction.
- 5 Now you are ready to fly! Click **Fly the balloon**, and read the instructions under **How to Play**.
- 6 When you understand what to do, click **Play**.
- 7 Record the results of your flight in your **Flight Log**. Try at least three flights.

Observations	
Hot Air Balloon Flight Log	
Training Briefly describe the following parts: - parachute valve	
- envelope	
- burners	
- basket	
What causes the balloon to lift?	
What causes the balloon to fall?	
How does a balloon change direction?	

Flight Log		
Flight#	Flight Outcome (What happened? Did you land on the target, on the trees, etc.?)	Suggestions for future flights? (such as less head, don't fly so high, etc.)
1		
2		
3		