

Leonardo Flight

Primary level Activity Sheet : Flight!

Begin at any number on this sheet!

1. Leonardo da Vinci observed how birds, insects and even a flying fish could take wing. Can you find any of his manuscripts (his sketchbooks) on display and can you see any of his sketches that reveal his findings?
 - What do you find ?
 - When were these sketches made?
2. Find an invention that is designed with wings. Draw these wings. Which creature do you think Leonardo was inspired by for this design?
3. Find Leonardo's parachute. It is the first ever parachute design that we know about. When was it designed?
 - Draw its canopy shape.
 - Draw where the wooden poles are
 - Draw where the cords are
 - Draw the model human and how s/he is attached to the canopy
4. Have you found out anything else about Leonardo's parachute design?
5. Do you think his design would be safe? If so, why? If not, why not?
6. Can you see any other Leonardo da Vinci machines for flight that remind you of anything that is used today? If so, what are these?
7. What was his invention the Slope Meter designed to do?
8. What were 'ornithopters'?



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9. How did Leonardo's 'Air Screw' work and what flying machine would eventually be realised 400 years later which used a similar principle?



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From the Museum of Leonardo da Vinci in Italy, Waterfront City presents the greatest international exhibition of the most influential inventor of all time. This exhibition is a unique opportunity to see the original sketches and drawings of Leonardo da Vinci's flying machines, including the 'Air Screw' and the 'Ornithopter'. The exhibition is based on the original sketches and drawings of Leonardo da Vinci.

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MACHINES
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