

# 7 First Flight and Beyond

## A Before you watch

Do you recognize these names? Do you know what they are famous for? Match the people to what they did.

- |                         |   |
|-------------------------|---|
| 1 Daedulus              | a created the first controllable aircraft       |
| 2 Leonardo da Vinci     | b created and flew the first dirigible balloons |
| 3 Alberto Santos-Dumont | c created wings out of wax and feathers         |
| 4 The Wright Brothers   | d designed plans for complex flying machines    |



## B While you watch

- 1 Check your answers to the exercise in *Before you watch*.
- 2 Complete the sentences with the correct names.

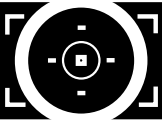
Leonardo da Vinci   Alberto Santos-Dumont   the Wright brothers  
Daedalus   Chuck Yeager   Otto Lilienthal

- 1 \_\_\_\_\_ made wings of wax and feathers.
- 2 \_\_\_\_\_ designed complex and wondrous flying machines.
- 3 \_\_\_\_\_ flew lighter-than-air flying machines in France.
- 4 \_\_\_\_\_ died in a glider crash.
- 5 \_\_\_\_\_ invented and flew the world's first powered airplane.
- 6 \_\_\_\_\_ flew faster than the speed of sound.

## C After you watch

- 1 In flight, there are three very important concepts: control, thrust, and lift. Match each concept to its explanation.

- |           |   |
|-----------|---|
| 1 control | a This is the force that elevates birds and aircraft when they fly. |
| 2 thrust  | b This is the force that moves birds and aircraft forward.          |
| 3 lift    | c Birds maintain this with their tails and wings.                   |



# 7 First Flight and Beyond

**2 Work in pairs. Write a joint presentation about one of the areas below. Practice reading the presentation with your partner.**

- 1 How a bird flies.
- 2 How an airplane flies.
- 3 The history of flight.

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## D Language points

**Complete each sentence with the correct form of the phrases in the box.**

to tackle the problem   to get off the ground   to capture the imagination   to be inspired by

- 1 Space exploration is such an incredible thing, it really \_\_\_\_\_.
- 2 Many modern inventors \_\_\_\_\_ the amazing designs of Leonardo da Vinci.
- 3 Today's inventors need \_\_\_\_\_ of providing clean, renewable energy for the world.
- 4 This idea is completely impractical. It will never \_\_\_\_\_!

## E Your viewpoint

**Work in groups and discuss these questions.**

- 1 Make a list of five significant inventions. Which have been the most important to the human race? Why? Rank them from 1 (most important) to 5 (least important).
- 2 What inventions do you think scientists will create in the next 10 years? And the next 50–100 years?
- 3 What invention (not yet invented) do you believe the human race needs most today?

*I believe that the world's most important invention has been ...*

*In the next 10 years, I think scientists will invent ...*

*In my opinion, what the human race needs most today is ...*