

**SUCCESSFUL ESL LTD.**

# **THE HISTORY OF FLIGHT**

**Student Reader**



**Daisy A. Stocker B.Ed., M.Ed.  
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# **THE HISTORY OF FLIGHT**

## **STUDENT READER**



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## LESSON 4

### VOCABULARY

kite	religious	ceremony	platform
handle	pilot	attempt, to	record, to
glider	balloon	electric	motor
helicopter	model	repair, to	hydrogen

#### ACTIVITY 1: Listen to your teacher read the paragraphs, then take turns reading orally.

About 2,000 years ago the Chinese people became very good at making kites. At first they were used for religious ceremonies, then later, they flew them just for fun.



In the fifteenth century, Leonardo da Vinci made a beautiful drawing of a flying machine, that was like a helicopter. In his drawing, the pilot stood on a platform and turned a handle very quickly. This turned wings above the pilot's head and made the machine rise into the air.



People have made machines like the da Vinci drawing, but they can't make them fly. The machines were too heavy. Maybe it was just his dream.

After that, we have no records of any attempts to fly until 1799. An Englishman, Sir George Cayley designed the first small model airplane. In 1804 he flew the model with a small engine. At that time, engines powerful enough to do the work were too heavy for big planes to lift.

A German, Otto Lilienthal did a lot of work with gliders. He was very interested in the flight of birds, and thought that if we had wings like birds, we could fly. In many ways, he was like a modern scientist, because he made a record of all his flights. In fact, his records helped all of the later experimenters in flight.



Otto Lilienthal made more than 2500 flights in the gliders he made. Very little was known about flying then, and so it was dangerous work. There were many crashes, and Lilienthal had to repair his gliders many times. Unfortunately, he was killed in a crash in 1896.

While Lilienthal was working on his gliders, other people were working with balloons. With hot air or hydrogen, balloons could be lighter than air, while planes were always heavier than air. Finally, in 1884, a big balloon called La France flew around the Eiffel Tower in Paris. It had a small electric motor. It flew 8 kilometers in 23 minutes.

Because it was controlled by a motor, this is said to be the first flight made by man.

### ORAL QUESTIONS TEACHER'S GUIDE

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# **THE HISTORY OF FLIGHT**

**Student Workbook**



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## LESSON 4 CONTINUED

**ACTIVITY 2: Workbook page 8**

**ACTIVITY 3: Divide into small groups. Ask each other the questions, then check your answers.**

1. Did the Chinese people make airplanes?
2. Did they fly in their kites?
3. Did Leonardo da Vinci's flying machine fly?
4. Where was Otto Lilienthal from?
5. Did he have motors in his flying machines?
6. Did he make many glider flights?
7. How did he help other people interested in flying?
8. What happened to Otto Lilienthal?
9. What were people using to lift their balloons?
10. Were the balloons heavier than air?
11. Were the gliders heavier than air?
12. What was the name of the first balloon that flew around the Eiffel Tower?

1. No, they made kites.
2. No, they didn't fly in their kites.
3. No, his machine didn't fly.
4. Otto Lilienthal was from Germany.
5. No, he didn't have motors.
6. Yes, he made many glider flights.
7. He made a record of all his flights.
8. He died when his glider crashed.
9. People were using hot air and hydrogen to lift their balloons.
10. No, the balloons were lighter than air.
11. Yes, the gliders were heavier than air.
12. The first balloon that flew around the Eiffel Tower was called La France.

### USING CONDITIONAL SENTENCES IN THE FUTURE TENSE

If the future tense "will" is used, put the "if clause" or the conditional clause, into the present tense.

#### EXAMPLES:

- I will tell him if I see him.  
He will understand if I tell him.  
I'll buy a car when I get there.



**ACTIVITY 4: Divide into small groups. Complete the sentences, then check your answers.**

1. I will see you when I (to get) \_\_\_\_\_ there.
2. I will cook some apples if I (to have) \_\_\_\_\_ them.
3. The children will run if they (to see) \_\_\_\_\_ me.
4. You will get sick if you (to sleep, not) \_\_\_\_\_.
5. You will be late if you (to hurry, not) \_\_\_\_\_.
6. I will be glad if they (to give) \_\_\_\_\_ me supper.
7. I won't be able to give you any if I (to have, not) \_\_\_\_\_ any.
8. I will eat supper if there (to be) \_\_\_\_\_ any.
9. You will keep driving till you (to get) \_\_\_\_\_ there.
10. You will see the children when you \_\_\_\_\_ (to come).

1. I will see you when I get there.
2. I will cook some apples if I have them.
3. The children will run if they see me.
4. You will get sick if you don't sleep.
5. You will be late if you don't hurry.
6. I will be glad if they give me supper.
7. I won't be able to give you any if I don't have any.
8. I will eat supper if there is any.
9. You will keep driving till you get there.
10. You will see the children when you come.

**EXERCISE 1: Workbook page 8**

**EXERCISE 2: Workbook page 9**

## LESSON 4

**ACTIVITY 2: Divide into groups of two or three. Make a conversation about early flight.**

**You:** I just read about the first people who really did fly through the air. It wasn't Daedalus and Icarus.

**Your friend:** \_\_\_\_\_ ?

**You:** It was the Montgolfier brothers in France. They did it for King Louis XVI and his wife Josephine.

**Your friend:** \_\_\_\_\_ ?

**You:** No, they didn't make wings, they made a balloon. They lit a fire under the balloon and it rose into the air. They thought it was the smoke that caused the balloon to rise, so they made a very smoky fire.

**Your friend:** \_\_\_\_\_ ?

**You:** No, it wasn't their first balloon, a couple of months before they put a sheep, a duck and a rooster in a balloon and made it fly.

**Your friend:** \_\_\_\_\_ ?

**You:** No, the king didn't enjoy it. The book says that the wind blew the smoke in the king's face, and he was not at all happy about it.

**EXERCISE 1: Answer in sentences.**

1. When were the Chinese people making kites?

\_\_\_\_\_

2. Was Leonardo da Vinci interested in flying?

\_\_\_\_\_

3. Did George Caley fly in his gliders?

\_\_\_\_\_

4. Did Caley fly a model with a small engine?

\_\_\_\_\_

5. Did Otto Lilienthal make many flights?

\_\_\_\_\_

6. Did Lilienthal have a motor in his planes?

\_\_\_\_\_

7. Were Lilienthal's flights dangerous?

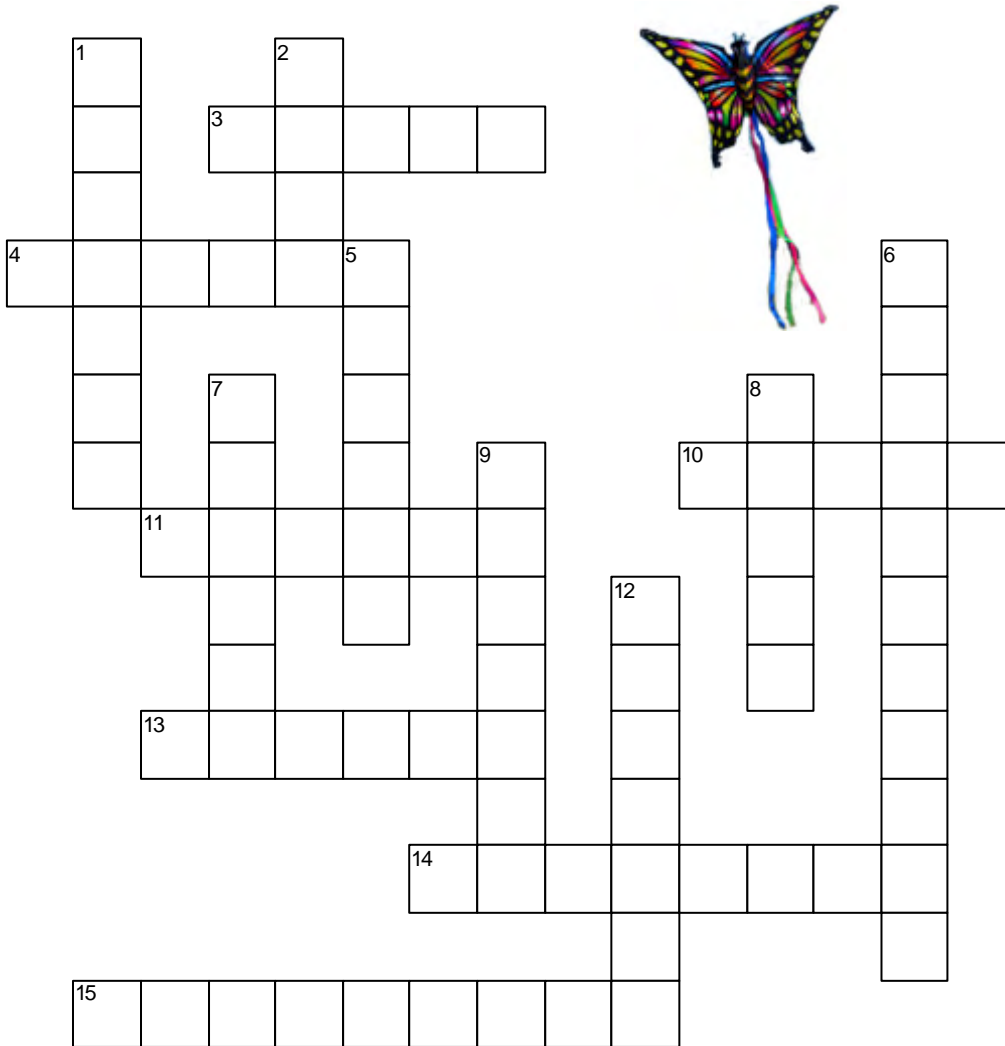
\_\_\_\_\_

8. Why did Lilienthal stop flying?

\_\_\_\_\_

## LESSON 4 CONTINUED

### EXERCISE 2: Crossword Puzzle:



www.CrosswordWeaver.com

#### ACROSS

- 3 he flies a plane
- 4 a plane with no motor
- 10 it makes things go
- 11 not true
- 13 to fix
- 14 a very light gas
- 15 about God

#### DOWN

- 1 it goes up in the air
- 2 the Chinese made them long ago
- 5 to write down
- 6 very surprising
- 7 you turn it
- 8 a small copy of something
- 9 wreck
- 12 towards the sky

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**Teacher's Guide**



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## LESSON 3 CONTINUED

### ACTIVITY 3:

### BINGO

1	prison	<i>where they put bad people</i>	13	fascinate	<i>to interest</i>
2	tower	<i>a very high building</i>	14	snake	<i>a long thin creature</i>
3	righteousness	<i>goodness</i>	15	heel	<i>the back of your foot</i>
4	myth	<i>stories from long ago</i>	16	ancient	<i>very old</i>
5	maze	<i>a big puzzle</i>	17	symbol	<i>it stands for something else</i>
6	feather	<i>birds have them on their wings</i>	18	kingdom	<i>where the king rules</i>
7	partridge	<i>a bird</i>	19	beautiful	<i>very pretty</i>
8	dragon	<i>a mythical creature</i>	20	messenger	<i>he carries messages</i>
9	nephew	<i>your brother's son</i>	21	mind	<i>you think with it</i>
10	garden	<i>a place of flowers and bushes</i>	22	to heal	<i>to make better</i>
11	throne	<i>a king or queen sits on it</i>	23	shine	<i>what the sun does</i>
12	escape	<i>to get away</i>	24	to fly	<i>to move through the air</i>

## LESSON 4

### ORAL QUESTIONS

Would you be happy if you were a hero?	<i>Yes, I'd be happy if I were a hero. No, I wouldn't be happy if I were a hero.</i>
Where would you live if you had a lot of money?	<i>I'd live in _____ if I had a lot of money.</i>
Would you fly in a balloon if you could?	<i>Yes, I'd fly in a balloon if I could. No, I wouldn't fly in a balloon if I could.</i>
If you had time would you travel.	<i>Yes, I'd travel if I had time. No, I wouldn't travel if I had time.</i>
If you were hungry would you go to a restaurant?	<i>Yes, if I were hungry, I'd go to a restaurant. No, if I were hungry, I wouldn't go to a restaurant.</i>
If you had an apple would you eat it?	<i>Yes, if I had an apple I'd eat it. No, if I had an apple I wouldn't eat it.</i>
Would you visit your friends if they were sick?	<i>Yes, I'd visit my friends if they were sick. No, I wouldn't visit my friends if they were sick.</i>
If you are tired will you go to bed early?	<i>Yes, if I'm tired I'll go to bed early. No, if I'm tired I won't go to bed early.</i>
If you had a horse would you ride it?	<i>Yes, if I had a horse I'd ride it. No, if I had a horse I wouldn't ride it.</i>
Will you have a holiday this summer if you have time?	<i>Yes, I'll have a holiday if I have time. No, I won't have a holiday if I have time.</i>

## LESSON 4 CONTINUED

### ACTIVITY 2: POSSIBLE ANSWERS.

- You:** I just read about the first people who really did fly through the air. It wasn't Daedalus and Icarus.
- Your friend:** *Who was it ?*
- You:** It was the Montgolfier brothers in France. They did it for King Louis XVI and his wife Josephine.
- Your friend:** *How did they do it? Did they make wings?*
- You:** No, they didn't make wings, they made a balloon. They lit a fire under the balloon and it rose into the air. They thought it was the smoke that caused the balloon to rise, so they made a very smoky fire.
- Your friend:** *Was it their first balloon ?*
- You:** No, it wasn't their first balloon, a couple of months before they put a sheep, a duck and a rooster in a balloon and made it fly.
- Your friend:** *Did the king like it?*
- You:** No, the king didn't enjoy it. The book says that the wind blew the smoke in the king's face, and he was not at all happy about it.

### EXERCISE 1: Answer in sentences.

1. When were the Chinese people making kites?  
*They were making them 2000 years ago.*
2. Was Leonardo da Vinci interested in flying?  
*Yes, he was interested in flying.*
3. Did George Caley fly in his gliders?  
*No, his gliders were only small models.*
4. Did Caley fly a model with a small engine?  
*Yes, he flew a model with a small engine.*
5. Did Otto Lilienthal make many flights?  
*Yes, he made more than 2500 flights.*
6. Did Lilienthal have a motor in his planes?  
*No, his planes were all gliders.*
7. Were Lilienthal's flights dangerous?  
*Yes, they were dangerous.*
8. Why did Lilienthal stop flying?  
*He was killed when one of his gliders crashed.*

### EXERCISE 2:

#### Crossword Puzzle solution:

