

THE ANIMATED HERO CLASSICS®

Resource & Activity Book



The Wright Brothers



What's
Inside?

Fun and Engaging • Curriculum Extension
Reinforces Learning • Skill Level Activities

Parent and Teacher Guide

Studies have proven learning is enhanced through the use of several senses. A recent study shows that we retain 10 percent of what we see, 20 percent of what we hear, and 50 percent of what we see and hear. But when we see, hear and do, we retain 90 percent of the information.

(Lisa Marie Nelson, Ph.D., Author “The Healthy Family Handbook”).

The purpose of this Resource & Activity Book is to help children learn and retain the story theme and principles in a fun and educational way. Your children will love coloring pages, solving puzzles, matching games, completing word searches, and much more! Each Resource & Activity Book also features challenging questions and activities for children from preschool through middle school. And in the rare case you don't know an answer, there's an answer key in the back!

LEVEL OF DIFFICULTY

The activities in this book are designed in three levels of difficulty designated by symbols. The activities with one symbol are geared towards younger children while the activities with two and three symbols become increasingly challenging for older children.



Level One
Easy



Level Two
Intermediate



Level Three
Advanced

CURRICULUM RELATED

These educational activities are related to various educational discipline such as social studies (geography, history, culture), language arts (spelling, creative writing, grammar, literature), math (simple equations), and science. There are also activities for character development, video awareness, problem solving, music, and art. The subject codes below are for your convenience.



Art



Character
Development



Culture



Geography



History



Language
Arts



Math



Music



Problem
Solving



Science



Spelling



Video
Awareness



Writing

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REFERENCES

For those wishing to further study the life of The Wright Brothers, some of the references used in research for the Resource & Activity Book are listed below, along with other titles that may be of interest.

Ash, Russell, *The Wright Brothers*, Wayland Publishers, East Sussex, 1974.

Freedman, Russell, *The Wright Brothers - How They Invented the Airplane*, Holiday House, New York, 1991.

Howard, Fred, *Wilbur and Orville - A Biography of the Wright Brothers*, Alfred A. Knopf, New York, 1987.

Ludwig, Charles, *The Wright Brothers - They Gave Us Wings*, Mott Media, Milford, Michigan, 1985.

Marquardt, Max, *Wilbur and Orville and the Flying Machine*, Raintree Publishers, Milwaukee, 1989.

Young, Rosamond and Catherine Fitzgerald, *Twelve Seconds to the Moon*, C. J. Krehbiel Company, Cincinnati, Ohio, 1983.



“Father, what is this new toy?”

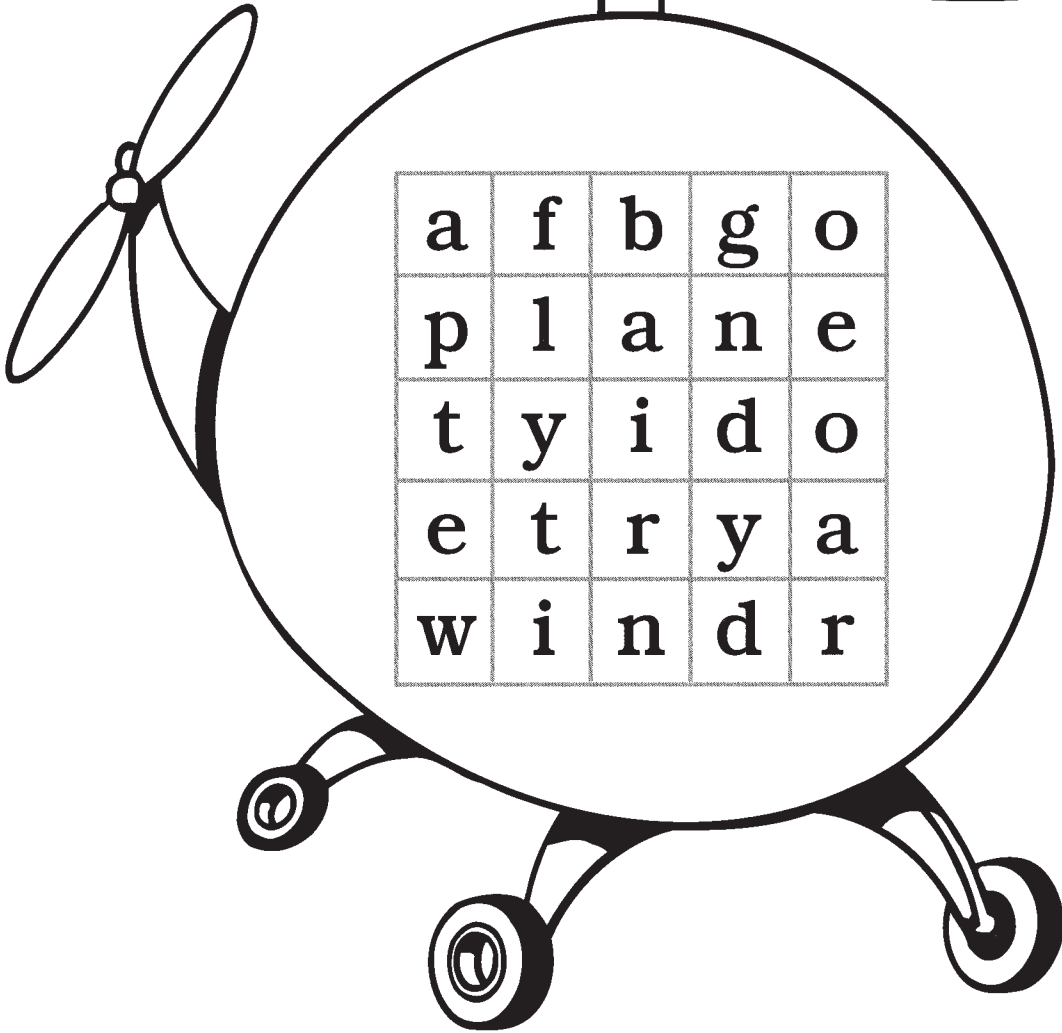


W O R D

PUZZLE

Find and circle all of the words in the word puzzle.

air fly go	plane try wind
------------------	----------------------





0 5 1 6 8

NUMBER JUMBLE

3 9 4 7 2

When Wilbur and Orville were very young their father gave them a present. It was a toy helicopter. This was the start of their interest in flying. Their father explained that the word "helicopter" is from the Greek words "helix" and "pter."

Solve the puzzle below to find out what these two words mean in Greek.

STEP ONE

Cross off the letter above every number that is a multiple of five (5, 10, 15, etcetera).

1. S A T R E L M I L O I D K A E
 7 30 12 5 19 25 4 80 22 15 3 20 11 35 6

2. A L W O R S I E N E G A O T S
 20 5 21 30 65 40 13 75 8 80 42 95 10 25 17

STEP TWO

Copy the letters that are not crossed off, in order, on the blanks below.

"Helix" means _____.

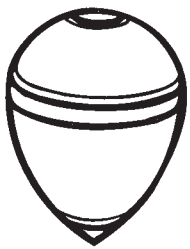
"Pter" means _____.



FIND THE WORD

Wilbur and Orville invented things from an early age. Orville could make one item that was much better than those sold in stores. His friends bought them from him.

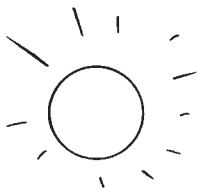
Work the puzzle and learn what it was. Write the name of the object on the blank. Match the numbers in the puzzle with the numbers in the mystery word. Write the letter on the blank to find what Orville made and sold.



— — —
1 2 3



— — — —
4 5 6 7



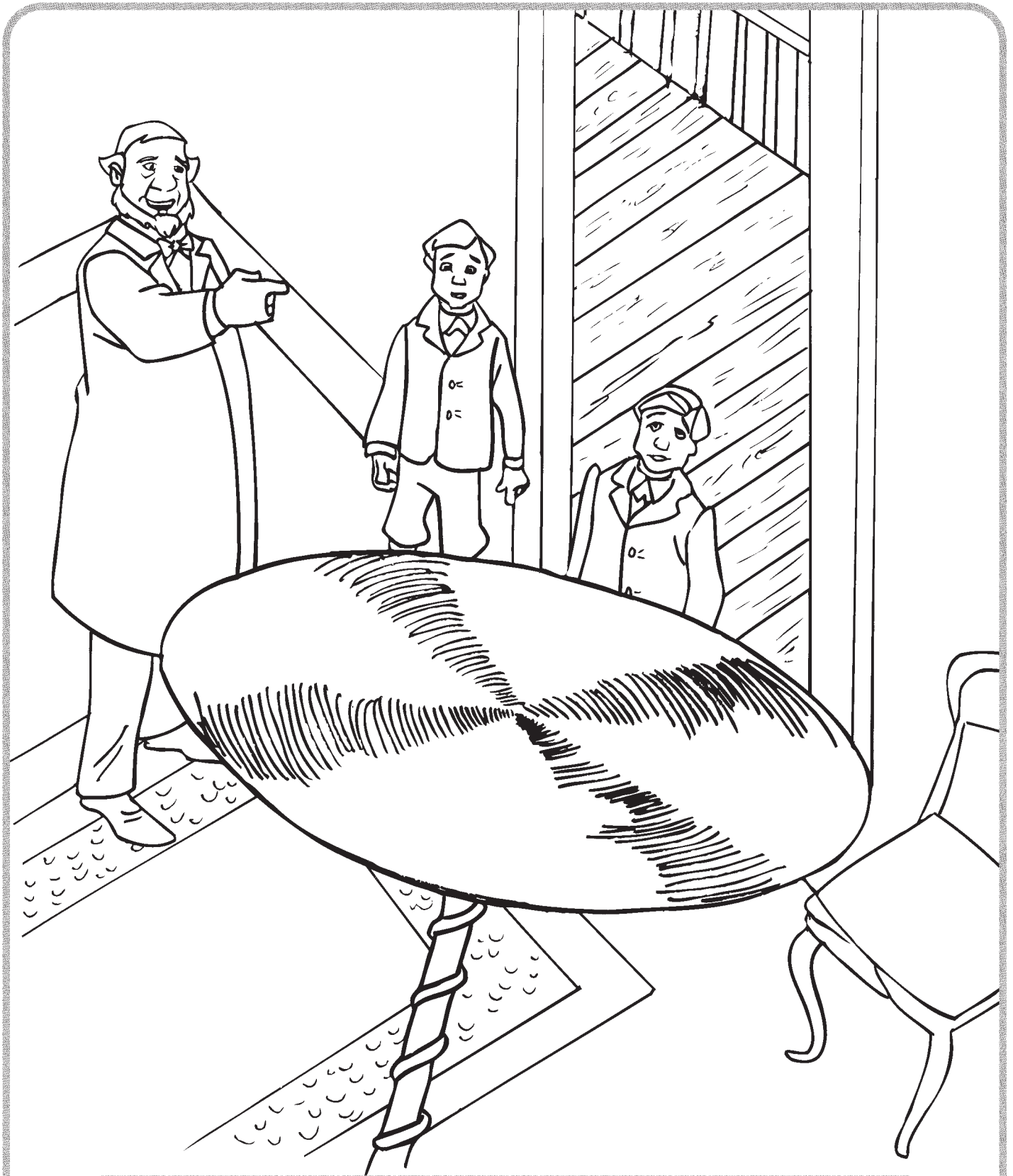
— — —
8 9 10



— — —
11 12 13

MYSTERY WORD

— — — — —
4 5 1 13 8



The toy helicopter flies into the air.



Orville's Letter

This is a copy of a card Orville wrote to his father while his father was away. Orville was around eight years old. Mr. Wright kept it. It is the first entry in the Wright Collection in the Library of Congress.

Some of the words are missing. Can you find them in the Word Box and write them in?

Dear Father,

I got your letter today. My _____ said I was a good boy _____. We have 45 in our room. The other day I took a _____ can and filled it with _____ then I put it on the _____ and I waited a little _____ and the water came _____ out at the top about a foot. The water in the _____ was up to the Cracker _____ about a half a _____. There is a good deal of water on the _____. The old _____ is dead.

*Your son,
Orville*

WORD BOX

cat
factory
foot

island
machine
river

squirting
stove
teacher

today
water
while



STICKY PROBLEMS

Wilbur and Orville began experimenting at an early age. When Orville was around ten years old, he mixed tar with sugar and flavoring. He cooked it in a black iron kettle over a fire in the backyard. He planned to make something, and sell it in little wrapped cakes to his friends. What was it? Work the puzzle and learn about it.

Find the correct letters by solving the problems. Match the sums with the letter in the Code Box and write it on the blank under the sum.

CODE BOX															
A	C	D	E	G	H	I	K	M	N	O	R	S	T	U	W
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

1	2	2	10	3	8	2	3	7	4
+0	+3	+1	+5	+3	+1	+2	+1	+7	+4
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Was it a success?

5	5	5	12	6	0	1	2
+4	+5	+1	+1	+2	+0	+1	+1
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4	3	5	6	3	1	4
+1	+3	+3	+6	+3	+0	+3
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

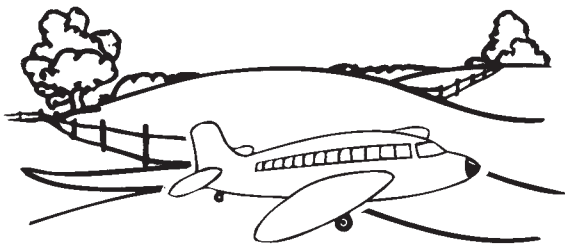




WHAT CAN AN AIRPLANE DO?

Circle the answer you think is correct.

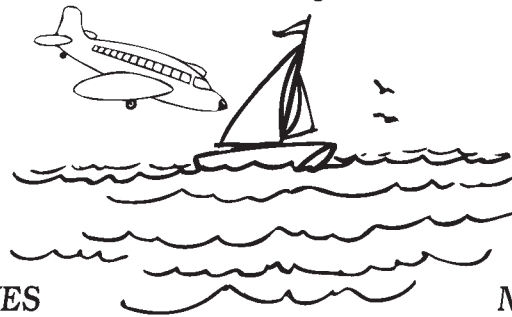
Can an airplane run on the ground?



YES

NO

Can it land anywhere?



YES

NO

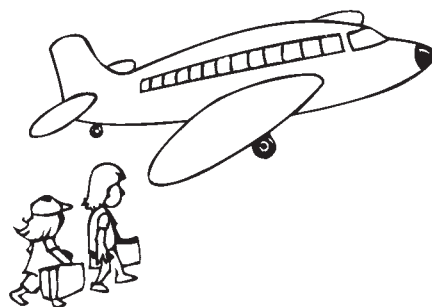
Can an airplane fly upside down?



YES

NO

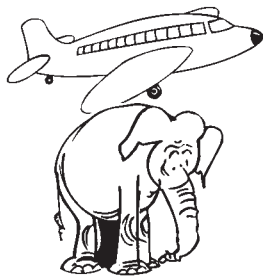
Can it carry people?



YES

NO

Can an airplane carry animals?



YES

NO

Can an airplane have lights?



YES

NO

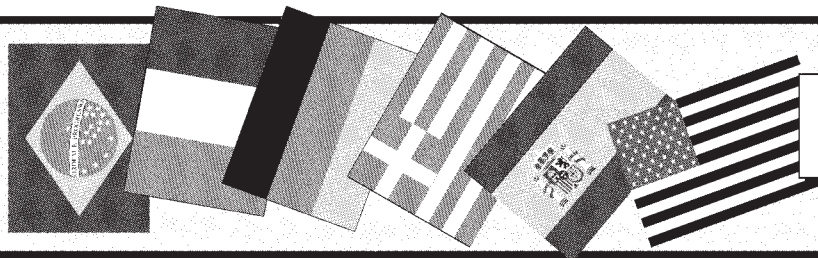


A man tries to fly!

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Flag



Fun!

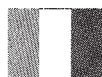
Each flag in the paragraph below stands for a different country. Use the clues at the bottom of the page to write the correct country in the blanks beside each flag to complete the sentences.

Men have dreamed of flying since the beginning of time. In



_____ there were many myths about men flying. Around

1783, the Montgolfier brothers invented the hot air balloon in



_____. One of the greatest aviators in the nineteenth

century was Otto Lilienthal from



_____. He inspired the

Wright brothers to take an interest in flight. Many aviators and inventors

from



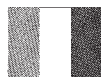
_____ were trying to be the first to fly in motor-

powered machines. Santos-Dumont, an aviator from



_____,

was in



_____ flying in his airships. Around this time in the



_____, Samuel P. Langley was building large steam-

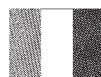
powered airplanes, but he was not successful. Finally in 1903, Wilbur and

Orville Wright made the first successful motor-powered flight. This put the



_____ ahead of the world in the field of aviation.

The Wright brothers took their airplane to



_____. Many

people wanted to fly in their plane with them. King Alfonso of

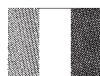


_____ wanted to fly in their plane, but the Queen would

not let him!



BRAZIL



FRANCE



GERMANY



GREECE



SPAIN

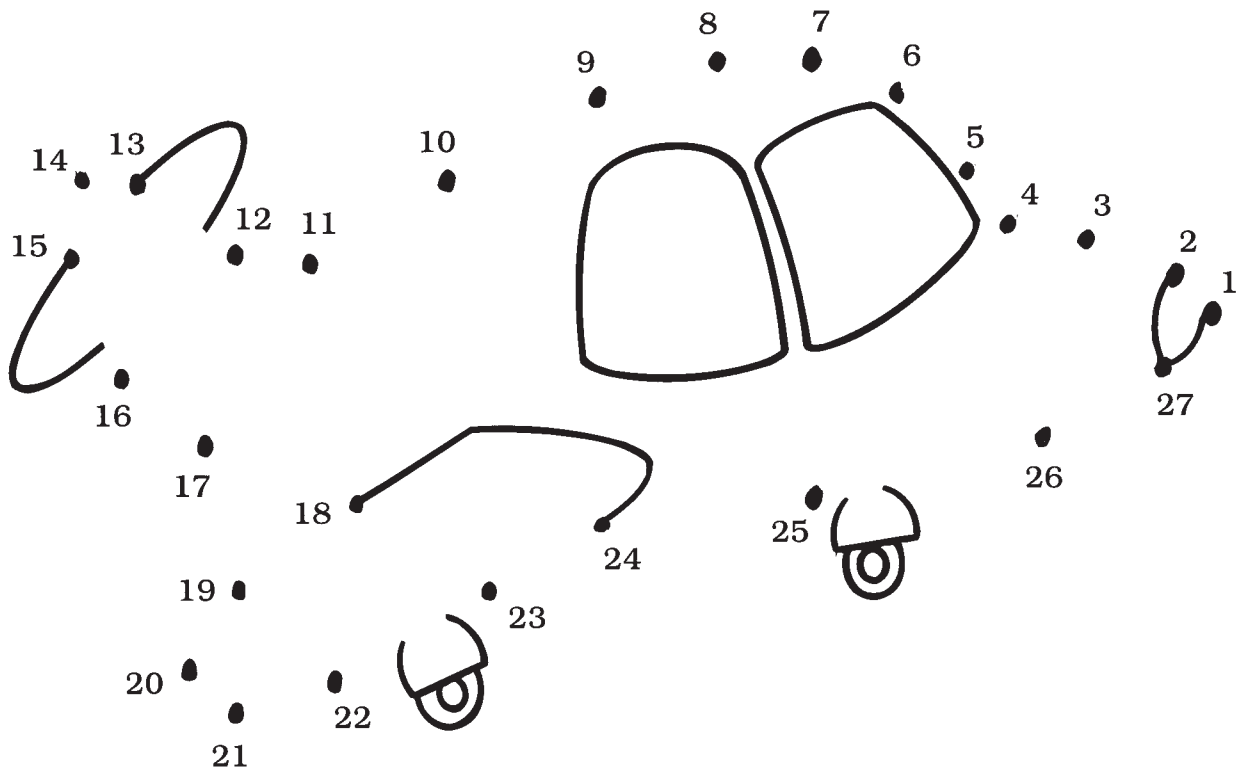


UNITED STATES



DOT-TO-DOT

Connect the dots from 1 to 27. You will find something that Wilbur and Orville invented.


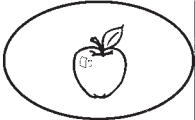
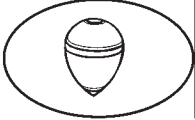

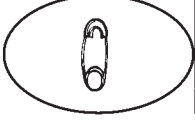





PICTURE PUZZLE

The two brothers wanted to be sure their machine would fly before they put it on display. When others urged them to show their invention, they always said, "It isn't ready." There was something they needed to do this. What was it?

Write the names of the objects in the squares as indicated. Then beginning at the top, copy the circled letters in order on the blanks below.

What did the Wright brothers need to be able to wait so long until their invention was ready?





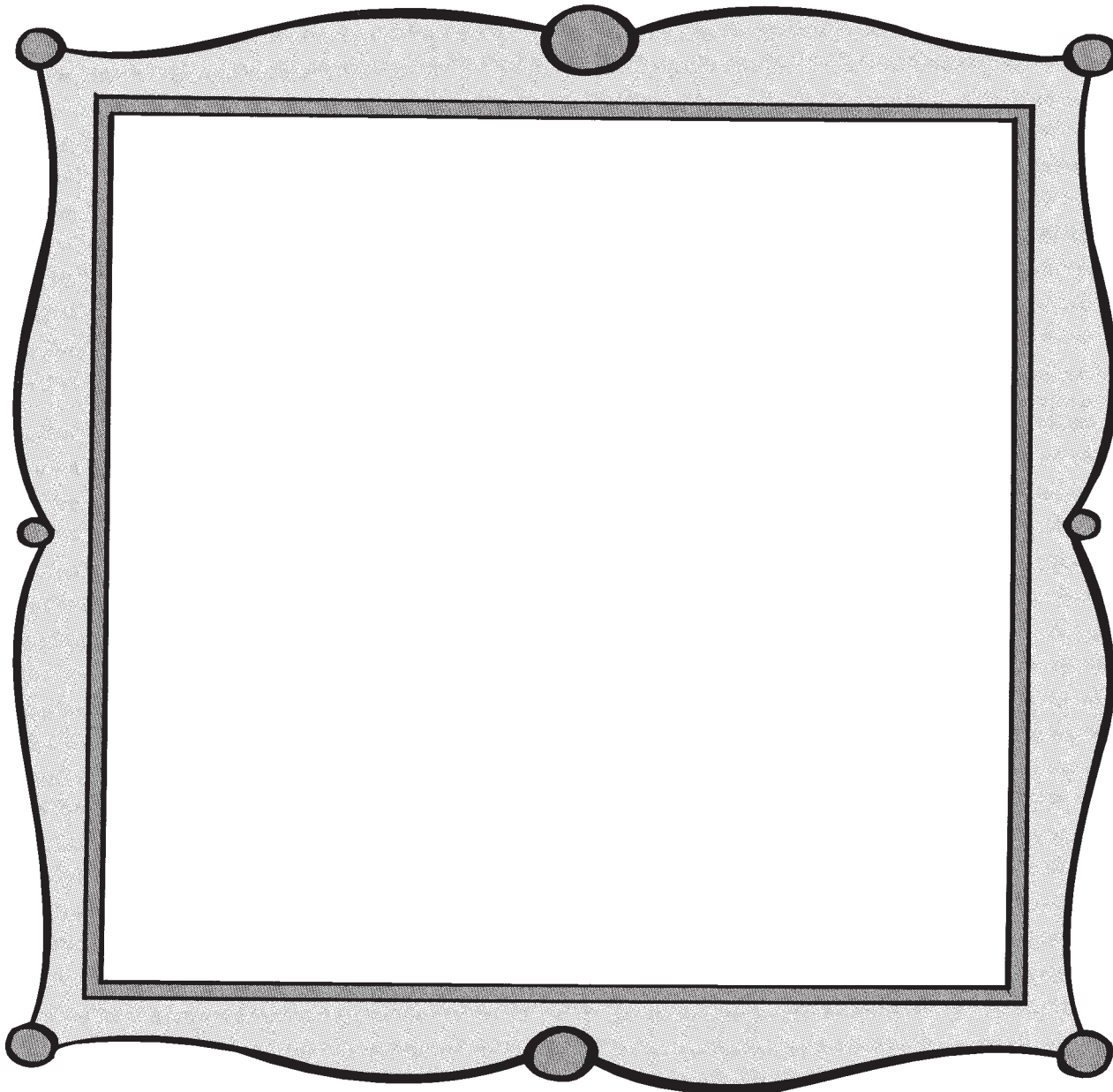
The Wright Brothers design their own bicycles for their bicycle shop.



BE AN INVENTOR



Draw a picture of something you would like to invent.



What would you name it? _____



WILBUR & ORVILLE'S *SIZZLING*

SCIENCE SECTION

MODEL HELICOPTER

When Wilbur and Orville's father returned from a trip, he brought them a toy helicopter. They had never seen one before and it started their interest in the science of flight.

Helicopters have a large horizontal rotor instead of the usual airplane wing and propeller. The rotor blade pushes down against the air, causing the helicopter to rise. A small rotor in the rear helps to steer the helicopter.

Below is a list of things to help you make your own helicopter!

You Will Need:

- __ **Two spools**
- __ **A model propeller blade**
- __ **A short dowel**
- __ **String**
- __ **Glue**
- __ **A small wooden block**
- __ **Two finishing nai**
- __ **Hammer**

STEP ONE:

Glue one spool on the wooden block. Put the dowel down inside the spool.

STEP TWO:

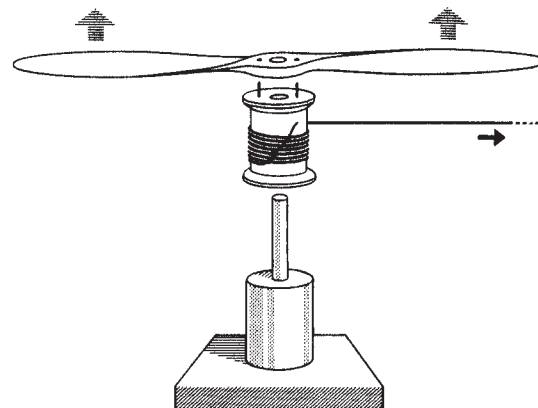
Nail the two finishing nails on top of the other spool where they will fit into the holes in the propeller. (This will keep the propeller from slipping when the string is pulled quickly.) Wrap the string around the spool and place the spool onto the end of the dowel sticking up out of the other spool.

STEP THREE:

Place the propeller on the spool, fitting the nails into the small holes on the propeller.

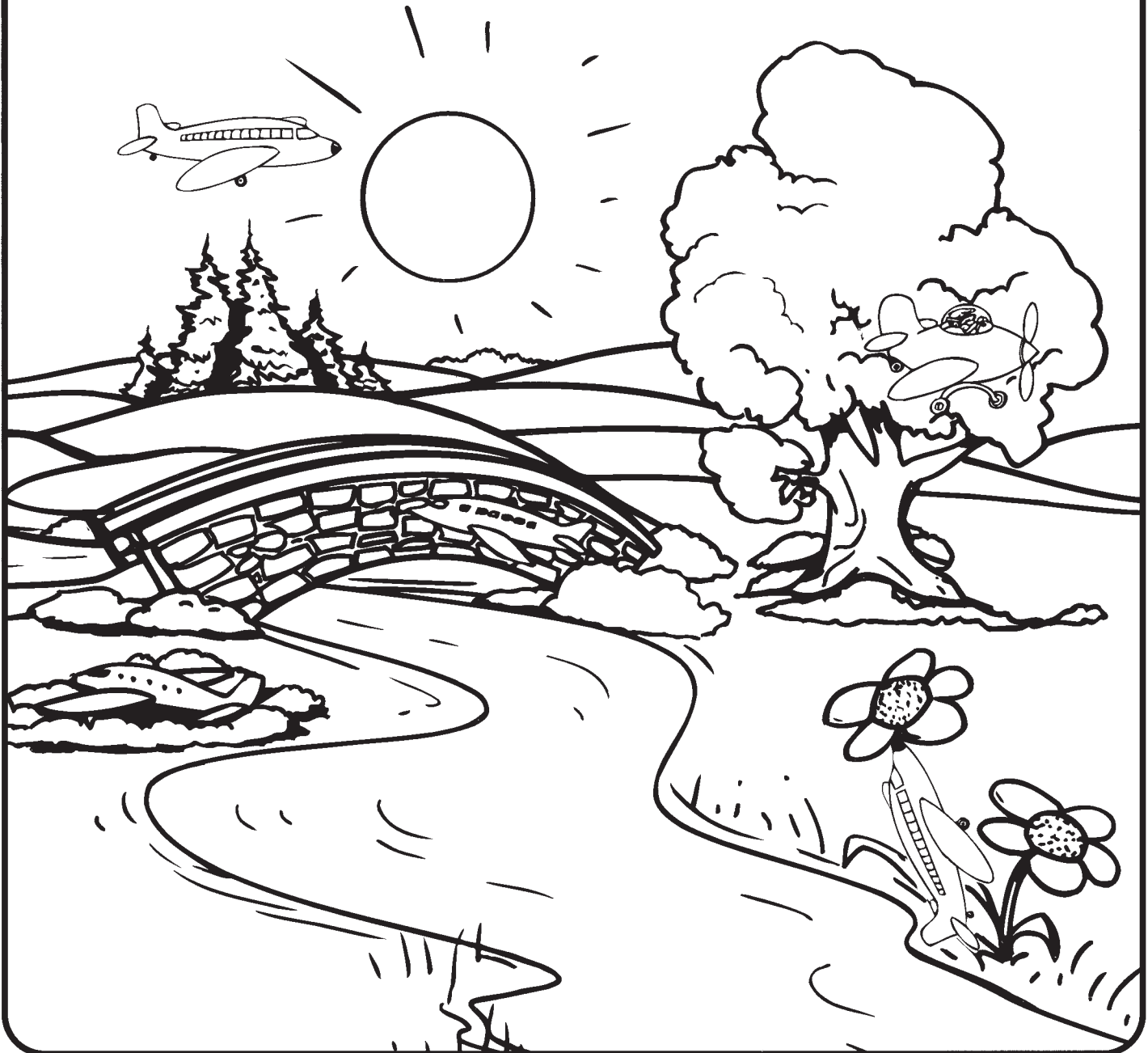
STEP FOUR:

Pull the string quickly. The blade should spin rapidly and rise several feet into the air. Now you have your own helicopter!



HIDDEN AIRPLANES

Can you find five (5) airplanes in this picture? Circle the airplanes and color the picture.





Fun *with* Math *and* Words

Wilbur and Orville wanted to test their glider in a windy place. Have some fun with math and words to find where they made their first flight. First, solve the addition problems.

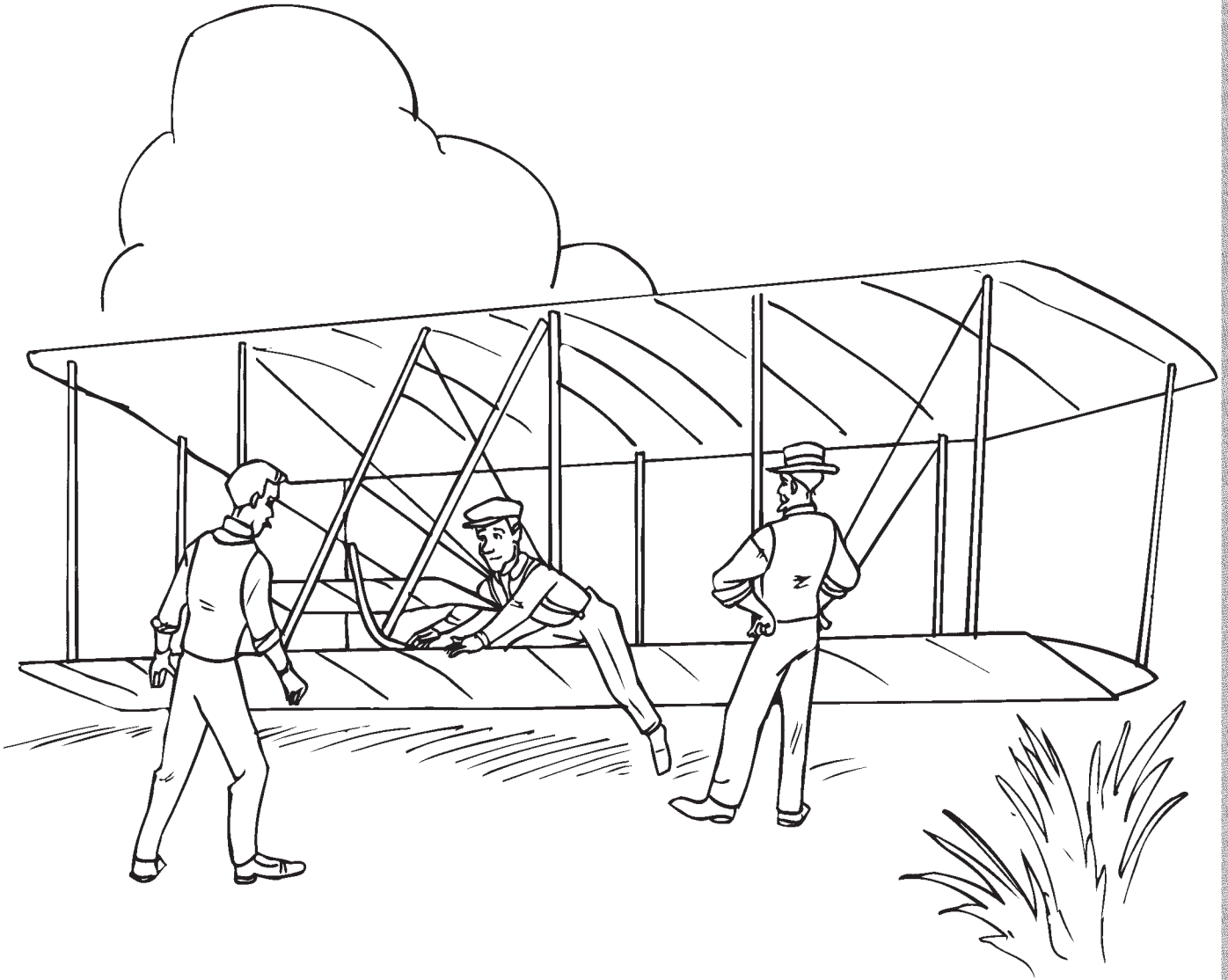
7	2	8	3	5	3
+3	+1	+9	+3	+4	+1
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
C	A	K	R	W	I

5	4	8	3	4	6
+6	+8	+8	+2	+3	+7
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
L	Y	O	N	T	H

The sums of the addition are code numbers for the letters below them. In the spaces below, write the correct letter above each code number.

17 4 7 7 12 13 3 9 17

5 16 6 7 13 10 3 6 16 11 4 5 3



Wilbur climbs onto the wing of the glider.



PUZZLING

POETRY

Read the poems and see if you can discover the “who” or “what” or “where” they are describing. Write your answer in the spaces provided.

**We are the pioneers of self-propelled flight;
Flying in the sky we're quite a sight!
The date is December 17, 1903;
Our plane is in the air, as light as can be.**

WHO ARE WE?



**Before we started to fly so high;
We had a shop in the town nearby.
We sold this thing to boys and girls;
People still ride it all around the world.**

WHAT AM I?

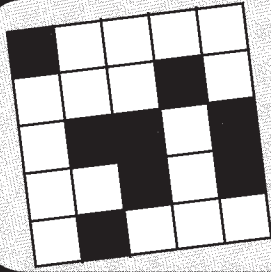
**This has no motor when it flies in the sky;
You just hear a “swish” when it passes by.
We use it to practice soaring in the air;
And if you fly one, you'd better take care!**

WHAT AM I?



**In Dayton, Ohio you will find our store;
We left this place for a state with a shore.
And there we flew in a town with a name;
Perhaps you've heard of this town of great fame!**

WHERE AM I?



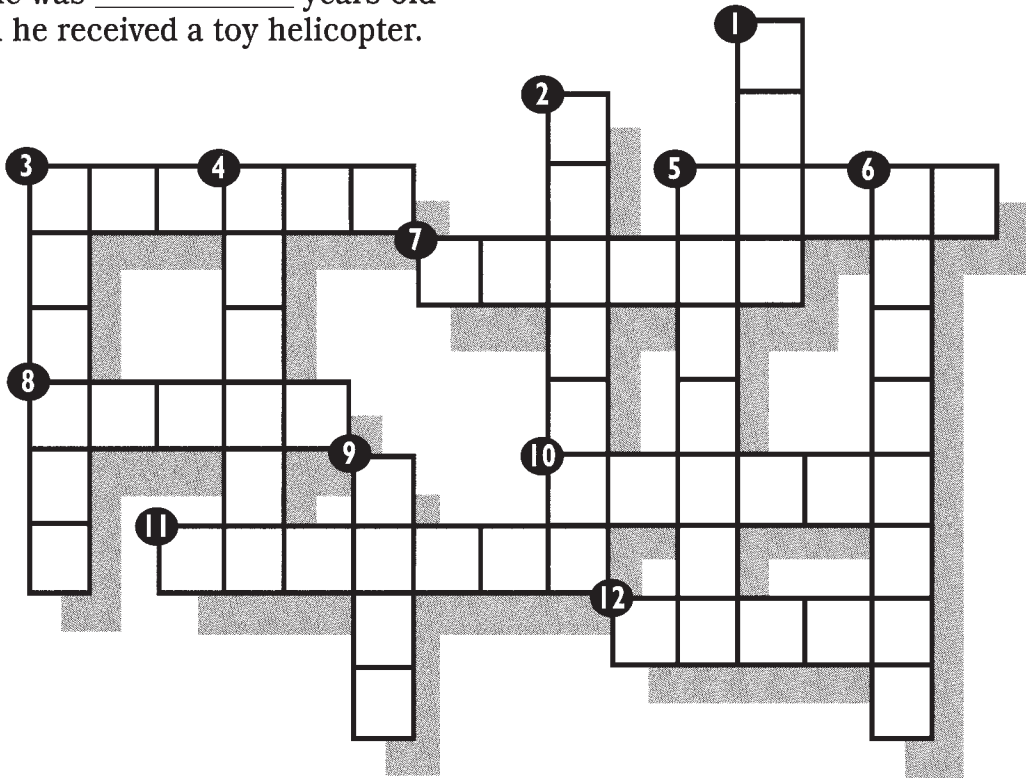
Wright's Crossword

Across

3. Orville and Wilbur's last name.
5. Many people tried to _____ the Wright's ideas.
7. Country chosen to fly first exhibition.
8. The brothers studied these in flight.
10. A wind _____ was invented to study air passage.
11. The younger Wright brother.
12. Orville was _____ years old when he received a toy helicopter.

Down

1. Man who helped in Kitty Hawk.
2. Engineer who helped the Wrights.
3. The older Wright brother.
4. Airplane without a motor.
5. The original plane was sent to the _____ Museum in London.
6. Name given to motor-powered gliders.
9. The secret of flying was _____ - warping.



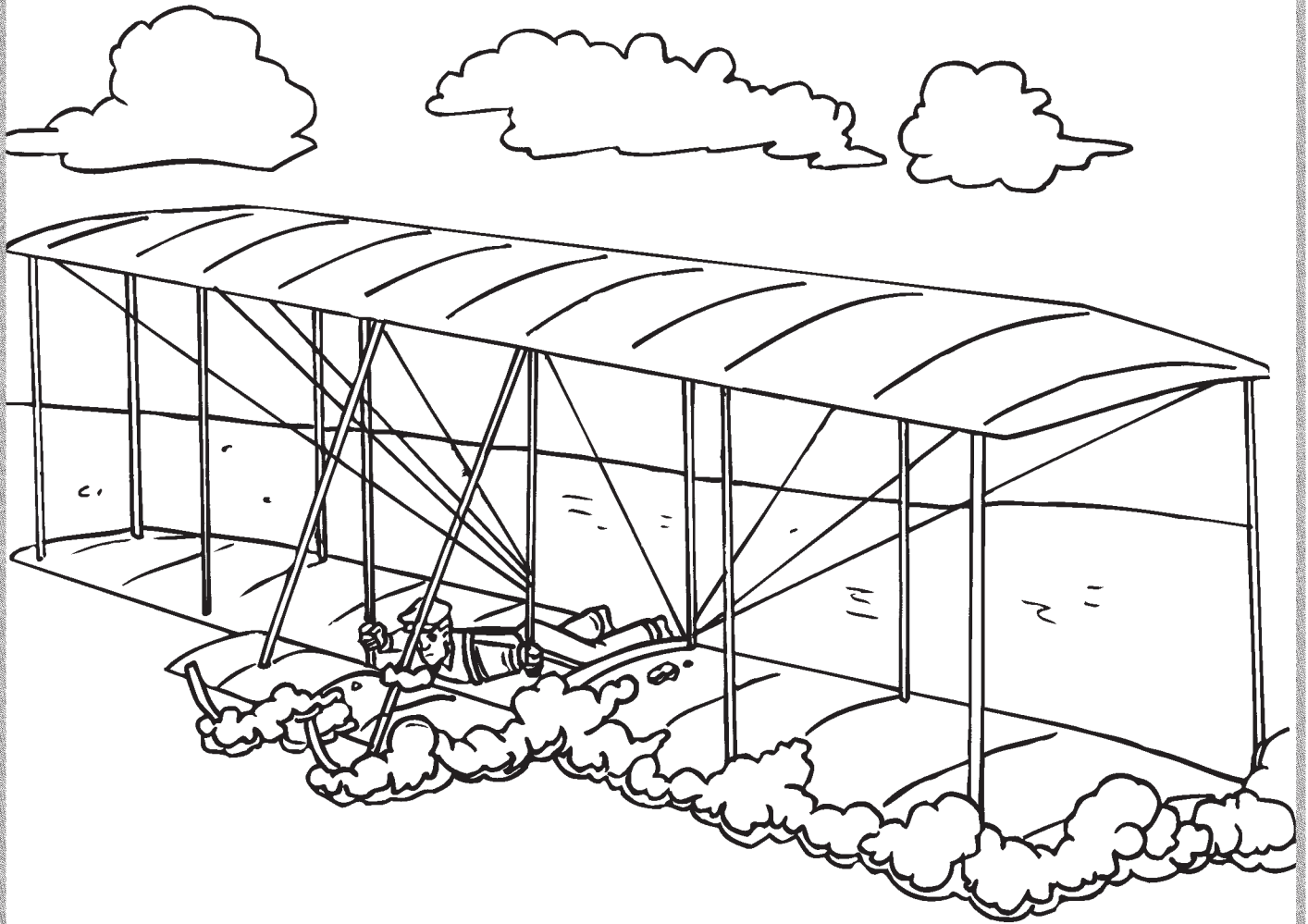


FOLLOW THE LINES

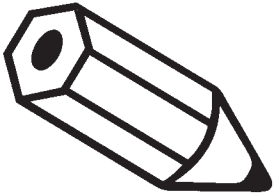
The Wright brothers tried many times to make a machine that would fly. They finally succeeded. What was the secret of their success? Follow the lines from the letters and write the letter in the attached box. Read the message.

D	I	T	N	Y	H	E	D	P	O	G	U	T	V	E	I
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



**The secret of wing-warping
helps to control the glider.**



Letter

SHUFFLE!

See how many words YOU can make out of the letters in the name:

WRIGHT BROTHERS

NOTE: You cannot use any letter more times than it appears in the name.
(For example: no more than one W, two T's, etc.)

3 Letter Words - 1 point each

___ words x 1 = ___ points

4 Letter Words - 2 points each

___ words x 2 = ___ points

5 Letter Words - 3 points each

___ words x 3 = ___ points

6 Letter Words - 4 points each

___ words x 4 = ___ points

TOTAL POINTS _____:

**5-15 = Junior • 16-30 = Intermediate • 31-45 = Advanced • 46-60 points = Ace
61-85 = Champ • 86-100 = Super Champ • 101 and up = Out of Sight!**



CODE FUN! CODE FUN!

When did the Wright brothers make their first flight?

Use the Code Box to break the code. Match the shapes above the blanks with the shapes in the Code Box. Write the letters on the blanks.

Code Box					
Month			Day/Year		
M	N	E	1	2	3
A	D	Y	4	0	6
B	C	R	7	8	9

MONTH:



DAY:



YEAR:





W W O I R G D H T B R S O E T A H R E C R H S

All of the words in the Word Box are names or things that are important to the Wright brothers' story. Find and circle the words in the puzzle. They may be forward, backward, up, down, or diagonal.

WORD BOX

airplane

Chanute

control

craft

dirigible

flight

flying

glider

hangar

invention

Kitty Hawk

launch

motor

nose-dive

Orville

pilot

pressure

rudder

Wilbur

wind-tunnel

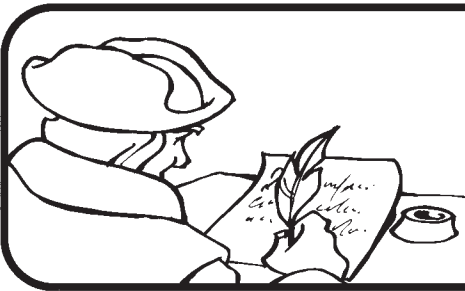
wing-warping

Wright

A K I T T Y H A W K B W C F D
H C N U A L D I R I G I B L E
O R V I L L E R I E F L G I H
I A E J P K L P G P M B F G N
C F N O I P R L H R S U L H T
O T T M L U V A T E W R Y T R
N M I O O X N N O S E D I V E
T Y O T T G Z E A S B C N E D
R D N O A C H A N U T E G F D
O G H R G L I D E R I J K L U
L W I N D T U N N E L M N O R
W I N G W A R P I N G R S T A



“I, Santos-Dumont, shall be the first to construct and fly an airplane!”



POET'S PAGE

Below is an unfinished poem about the Wright brothers. The word at the end of every other line is missing.

YOU be the poet! Look at each underlined word. Think of a word that rhymes with it. Then write the rhyming word in the blank space to finish the sentence.

“ORVILLE AND WILBUR”

**The Wright brothers worked daily in their shop,
They were so excited they did not want to _____ .**

**Day after day they used their brains
And one day they decided to build an _____ .**

**They worked really hard and soon they made
A plane with an engine and a _____ .**

**Orville and Wilbur did not like to walk
So they flew a plane at _____ .**

**High in the air, they were such a sight
These two brothers, pioneers of _____ .**

**Now, thanks to the Wrights, we can go
'Round the world in a few hours or _____ .**

THIS POEM OFFICIALLY FINISHED BY POET: _____
(your name here)



ALL AMERICAN SPELLING BEE

Can you find the ten spelling mistakes in the story below about the Wright brothers? Circle them and write each word correctly in the blank spaces at the bottom of the page.

The Wright brothers accomplished what was considered impossible by most people. They invented a macheene that was heavier than air, but would still fly in the air! The brothers did their own expeariments. The information in books about flying was not correct, so they had to come up with entirely new methuds of flying. They went about their experiments quietly, never seeking publicity. They did not want to tell the world about their invenshun until it was safe. Word got out about their first flight, but few people beleived it. Many newspapers made fun of them. That did not bother the Wright brothers. They had work to do. When they finally did become famuss and everyone believed them, the Wright brothers did not like to talk about themselves. They still went about their dailey work with their own hands in their own quiet way.



1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____



COLOR the LETTERS

Wilbur was very kind to his mother. He took care of her while she was sick. He made something special for her to enjoy. To learn what it was, color the boxes with the letters in the grid as directed. Then copy the letters in the uncolored boxes in order on the line at the bottom of the page.

Color : **B** = red **J** = green **S** = blue

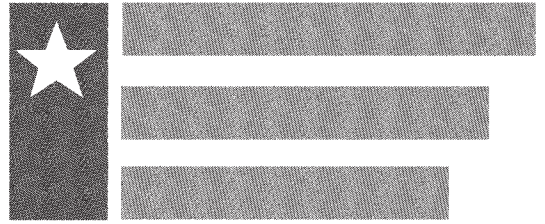
B	B	H	B	B	B	J	J	E	J	J	J
J	J	J	J	J	J	B	B	B	B	B	B
S	S	S	S	M	S	S	S	A	S	S	S
B	B	D	J	J	J	E	B	B	B	J	J
J	J	J	S	H	S	S	E	S	R	B	B
B	B	B	A	J	R	J	J	O	S	S	C
S	K	S	I	S	S	B	B	B	N	J	J
J	J	J	J	G	S	S	S	C	B	B	B
B	B	H	B	B	B	A	I	B	R	B	B



**Chanute encourages the Wright brothers
to tell the world about their flights.**



STARS & STRIPES



SCRAMBLERS

Who or what am I? Unscramble each word on the right to answer the questions on the left. Your answers will be names of people or things that are important to the story of the Wright brothers.

1 My brother and I invented the airplane. I am older than he is. Who am I? B I W L U (R)

2 I am the youngest of the Wright brothers. Who am I? E O I (L) R L V

3 I am the city where the Wright family lived. What is my name? T O N Y D (A), H O I O

4 I am a toy that Mr. Wright brought home to his sons. What am I? L (P) R E C H E I O T

5 I am the place where the first airplane was flown. What is my name? Y (I) K T T W K A H

6 The Wright brothers asked me for advice many times. Who am I? C H U T E (N) A

7 I assisted the Wright brothers on their first flight. Who am I? N A D T E T (A)

8 I am the country that wanted to be first in aviation. Who am I? R A N (E) C F

Copy the circled letters: _____
Unscramble the letters to answer the question below.

WHAT WAS THE NAME OF THE NEW MOTOR-POWERED GLIDER?



FILL in the BLANK

Fill in the blanks to complete the sentences about the Wright brothers. The words are in the Word Box. Some of the words may be used more than once.

WORD BOX			
airplane	fly	manufactured	toy helicopter
bicycle	France	printing press	windy
clergyman	glider	sandy	wing-warping

1. Orville and Wilbur Wright first experienced flying machines when their father gave them a _____.
2. Their father was a _____.
3. The Wright brothers started their first business operation with a _____ they had made.
4. The 1890's were called the decade of the _____.
5. Around 1893 Wilbur and Orville opened their own _____ shop.
6. They not only rented, repaired, and sold bicycles, they _____ their own brands.
7. In 1894, the Wright brothers saw in a magazine a photograph of Otto Lilienthal's _____.
8. Wilbur and Orville believed they could make an _____.
9. Their father asked them to promise to never _____ together until it was completely safe.
10. They experimented at Kitty Hawk because it was _____ and _____.
11. The method they discovered for wing control was called _____.
12. The place they chose to display their invention was _____.



MATCHING GAME

Match each description on the left with the correct person or item on the right. Write the letters of the correct answers in the boxes.

- | | | |
|---|--------------------------|-------------------------------|
| 1. Achieves world's first powered flight. | <input type="checkbox"/> | A. Bishop Milton Wright |
| 2. Discovers the theory of wing-warping. | <input type="checkbox"/> | B. Octave Chanute |
| 3. German aviator who dies in a glider crash. | <input type="checkbox"/> | C. Kitty Hawk, North Carolina |
| 4. Place where the first airplane is demonstrated. | <input type="checkbox"/> | D. Wilbur Wright |
| 5. French engineer who helps the Wright brothers. | <input type="checkbox"/> | E. Dayton, Ohio |
| 6. Local Kitty Hawk man who assists the Wrights. | <input type="checkbox"/> | F. "The Flyer" |
| 7. Place where the first airplane is flown. | <input type="checkbox"/> | G. Santos-Dumont |
| 8. Gives a toy helicopter to his sons. | <input type="checkbox"/> | H. Otto Lilienthal |
| 9. Secret to flying with balanced wings. | <input type="checkbox"/> | I. Le Mans, France |
| 10. Brazilian aviator who flies airships in France. | <input type="checkbox"/> | J. Orville Wright |
| 11. Home of the Wright family. | <input type="checkbox"/> | K. Dan Tate |
| 12. Name of the first airplane. | <input type="checkbox"/> | L. Wing-warping |



**“I am reporting that the Wright brothers
have accomplished all they said and more.”**



WORD FILL-IN

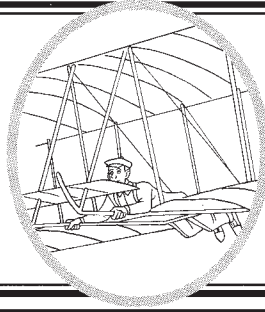
This list of words are some that the Wright brothers used often in their work. Can you fit them in their place in the puzzle?

- _airplane
- _glider
- _patent
- _warping
- _engine
- _helicopter
- _pilot
- _wind
- _experiment
- _launch
- _propeller
- _wings
- _flight
- _motor
- _rudder

The crossword puzzle grid consists of the following letters in their respective positions:

- Row 1: L, [], [], [], [], [], []
- Row 2: [], [], [], G, [], [], [], []
- Row 3: [], [], [], [], [], [], [], M, []
- Row 4: [], [], [], [], T, [], [], [], []
- Row 5: [], [], A, [], [], [], [], O, [], [], [], [], []
- Row 6: [], [], [], [], [], P, [], [], [], [], [], [], [], []
- Row 7: N, [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 8: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 9: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 10: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 11: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 12: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 13: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 14: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 15: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 16: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 17: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 18: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 19: [], [], [], [], [], [], [], [], [], [], [], [], [], []
- Row 20: [], [], [], [], [], [], [], [], [], [], [], [], [], []

TRUE OR FALSE



Read each statement below. If it is true, circle the "T." If it is false, circle the "F."

1. Wilbur and Orville were brothers. T F
2. Wilbur and Orville's father was a minister. T F
3. The two brothers started inventing at an early age. T F
4. They invented the first automobile. T F
5. They watched birds flying to learn how they controlled their wings. T F
6. They were the only people working on a flying machine. T F
7. They discovered a method called "wing-warping." T F
8. Orville and Wilbur went to Kitty Hawk, North Carolina because it had high hills. T F
9. They tried many times and failed. T F
10. England was the chosen place to display their airplane. T F
11. Wilbur and Orville Wright invented the first successful airplane. T F
12. The Wright brothers taught many people to fly. T F



Wilbur and Orville Wright bring about one of the greatest changes the world has ever seen.



WRIGHT BROTHERS QUESTIONS

1. What was the occupation of Orville and Wilbur's father?
2. What did the Wright brothers manufacture before they started working on aircraft?
3. How did the brothers learn about wing-warping?
4. What did they use to demonstrate their idea on wing-warping?
5. What did warping the wings do?
6. What promise did the brothers make their father?
7. Why did the Wright brothers choose Kitty Hawk to test their glider?
8. Why was a sandy place important to the test flights?
9. Who was Chanute?
10. In what position did Wilbur place himself to fly the glider?
11. Why did Chanute break his promise to the Wright brothers to wait to tell their discovery until they had proved it?
12. Who was Santos-Dumont?
13. What did Orville and Wilbur build that helped them to prove Lilienthal's pressure tables were wrong?
14. Why was it important to take pictures of their flights?
15. Why did Chanute keep urging them to show their invention to the world?
16. Why did the Wright brothers wait so long to demonstrate their airplane?
17. Where did they choose to make their first flying exhibition? Why?



THINGS TO THINK ABOUT & DO

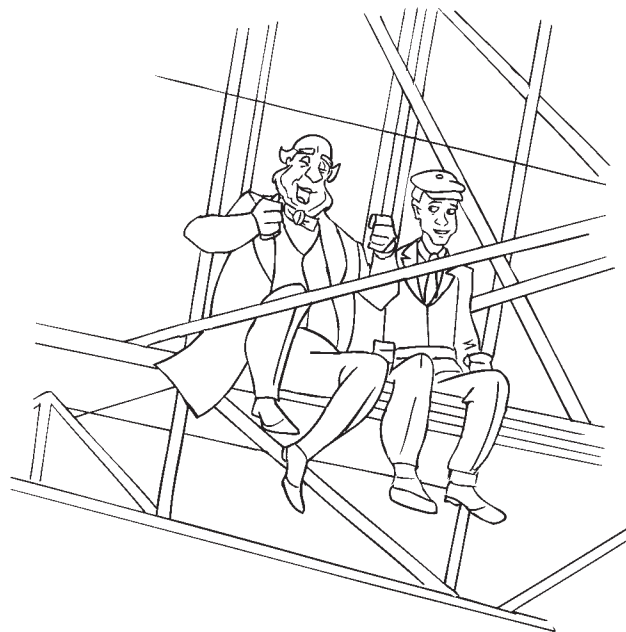
NOTE TO THE TEACHER: These are activities for a group to discuss and think about.

1. The airplane has been considered one of the world's greatest inventions. In what ways would life be different today if airplanes had never been invented? How would it effect you personally? Do you think there are new possibilities in the field of flight?

2. Wilbur and Orville Wright were men who cared more about their dream of flying than publicity. They worked long, hard hours at great personal sacrifice. What character qualities do you think they had that enabled them to accomplish things believed to be impossible?

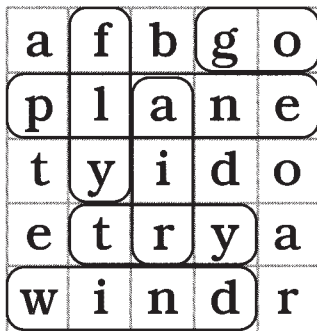
3. Orville Wright sent their original plane flown at Kitty Hawk, North Carolina, to the Science Museum in London in 1928. The Science Museum sent the plane back to the United States in 1948. The original plane is now in the National Air and Space Museum in Washington, D.C. Discuss some of the reasons that you think Orville Wright sent the plane to the museum in London instead of to one in the United States.

4. Plan a project or paper about the history of flying and present it to your class. Check your local library for addresses to flight museums. Write to them and ask for information on the history of flying and the Wright brothers.



ANSWER KEY

WORD PUZZLE — PAGE 6



NUMBER JUMBLE — PAGE 7

“Helix” means STEM-LIKE
“Pter” means WINGS

FIND THE WORD — PAGE 8

top
sun

king
pie

kites

ORVILLE'S LETTER — PAGE 10

teacher
today
machine
water
stove
while
squirting
river
factory
foot
island
cat

STICKY PROBLEMS — PAGE 11

chewing gum
No, it made him sick!

WHAT CAN AN AIRPLANE DO? — PAGE 12

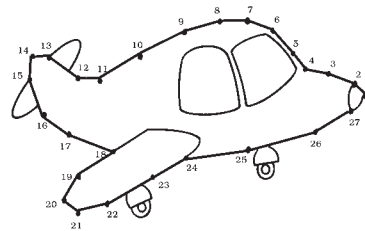
— PAGE 12

Answers may vary.

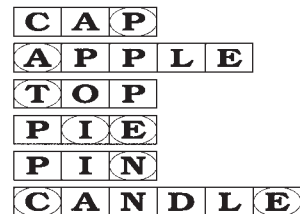
FLAG FUN — PAGE 14

GREECE, FRANCE, GERMANY, FRANCE, BRAZIL, FRANCE,
UNITED STATES, UNITED STATES, FRANCE, SPAIN

DOT-TO-DOT — PAGE 15

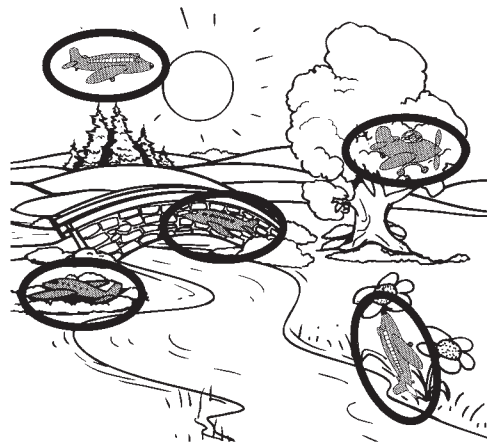


PICTURE PUZZLE — PAGE 16



PATIENCE

HIDDEN AIRPLANES — PAGE 20



FUN WITH MATH AND WORDS

— PAGE 21

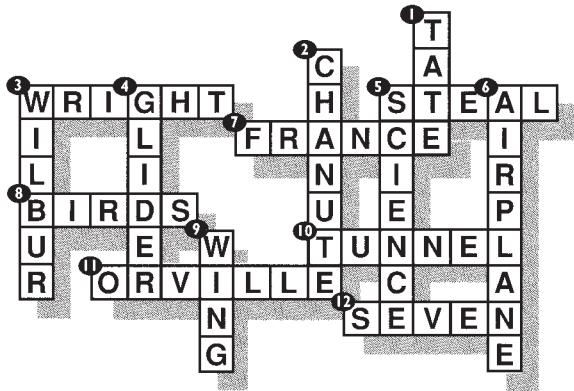
10 3 17 6 9 4
11 12 16 5 7 13

KITTY HAWK
NORTH CAROLINA

PUZZLING POETRY — PAGE 23

Orville & Wilbur Wright
bike
glider
Kitty Hawk, North Carolina

WRIGHT'S CROSSWORD — PAGE 24



FOLLOW THE LINES — PAGE 25

THEY DID NOT GIVE UP

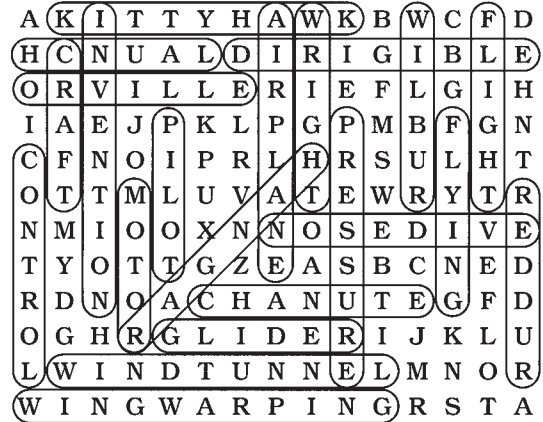
LETTER SHUFFLE — PAGE 27

bit	got	hose	shoes	throbs	wish
bite	heir	hoses	shot	tight	with
bites	heirs	host	shots	tire	wore
bore	height	hot	sight	tires	write
both	her	right	sit	toes	writer
bright	hers	rob	site	trite	writes
broth	hire	rose	sore	weight	wrote
brother	hires	rot	tiger	wet	
brothers	his	set	their	white	
get	hit	shirt	theirs	whiter	
ghost	hoe	shirts	this	wire	
goes	hoes	shoe	throb	wires	

CODE FUN — PAGE 28

December
17
1903

WORD SEARCH — PAGE 29



POET'S PAGE — PAGE 31

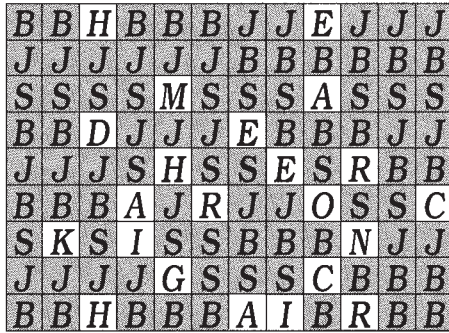
stop
airplane
blade
Kitty Hawk
flight
so

ALL-AMERICAN SPELLING BEE

— PAGE 32

- Misspelled - Correct
- impossible - impossible
- macheene - machine
- expeariments - experiments
- methuds - methods
- quitely - quietly
- invenshun - invention
- beleived - believed
- famuss - famous
- themselfes - themselves
- dailey - daily

COLOR THE LETTERS — PAGE 33



He made her a rocking chair.

STARS & STRIPES SCRAMBLERS — PAGE 35

- Wilbur
- Orville
- Dayton, Ohio
- helicopter
- Kitty Hawk
- Chanute
- Dan Tate
- France

AIRPLANE

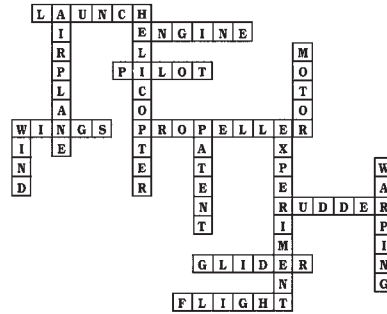
FILL IN THE BLANKS — PAGE 36

- toy helicopter
- clergyman
- printing press
- bicycle
- bicycle
- manufactured
- glider
- airplane
- fly
- windy and sandy
- wing-warping
- France

MATCHING GAME — PAGE 37

- | | | | |
|------|------|------|-------|
| 1. J | 4. I | 7. C | 10. G |
| 2. D | 5. B | 8. A | 11. E |
| 3. H | 6. K | 9. L | 12. F |

WORD FILL-IN — PAGE 39



TRUE OR FALSE — PAGE 40

- | | | | |
|------|------|------|-------|
| 1. T | 4. F | 7. T | 10. F |
| 2. T | 5. T | 8. F | 11. T |
| 3. T | 6. F | 9. T | 12. T |

QUESTIONS — PAGE 42

1. He was a clergyman.
2. They made bicycles.
3. They studied birds flying.
4. They used a thin cardboard box.
5. Warping keeps the wings balanced.
6. They promised to not fly together until it was safe.
7. Kitty Hawk was chosen because of the strong winds and sandy soil.
8. Sand is softer for gliders and people to fall to.
9. Chanute was another inventor of gliders and was well-known for his knowledge.
10. Wilbur lay prone, or flat, on the bottom wing.
11. He wanted to be considered the most knowledgeable about flying and inventing aircraft. Others were losing confidence in him, and accused him of hiding some knowledge.
12. Santos-Dumont was a Brazilian aviator who made many airship flights in France.
13. They built their own wind tunnel.
14. Pictures were proof of their achievements and were also used for historical documentation.
15. Chanute was afraid they would let someone else get the credit for their inventions and discoveries and that someone else would be the first to fly.
16. They waited until they were sure it was safe.
17. They chose France for their first flying exhibitions. That is where many other inventors were flying or demonstrating.

Certificate of Achievement

This certifies that

has mastered the

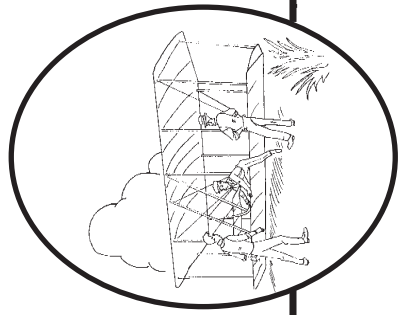
The Wright Brothers

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