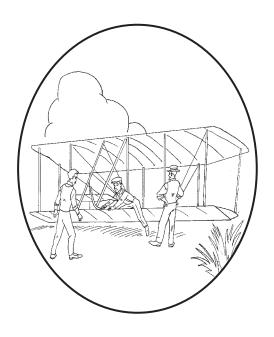
NEST Complete Learning System™



Resource & Activity Book



The Wright Brothers

By: M. G. Johnson, Tony Salerno, & Katherine Vawter



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.

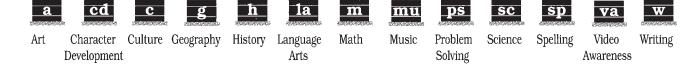






CURRICULUM RELATED

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.



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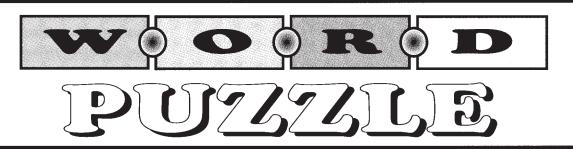
For those wishing to further study the life of The Wright Brothers, some of the references used in research for the Resource & Activity Book are listed below, along with other titles that may be of interest.

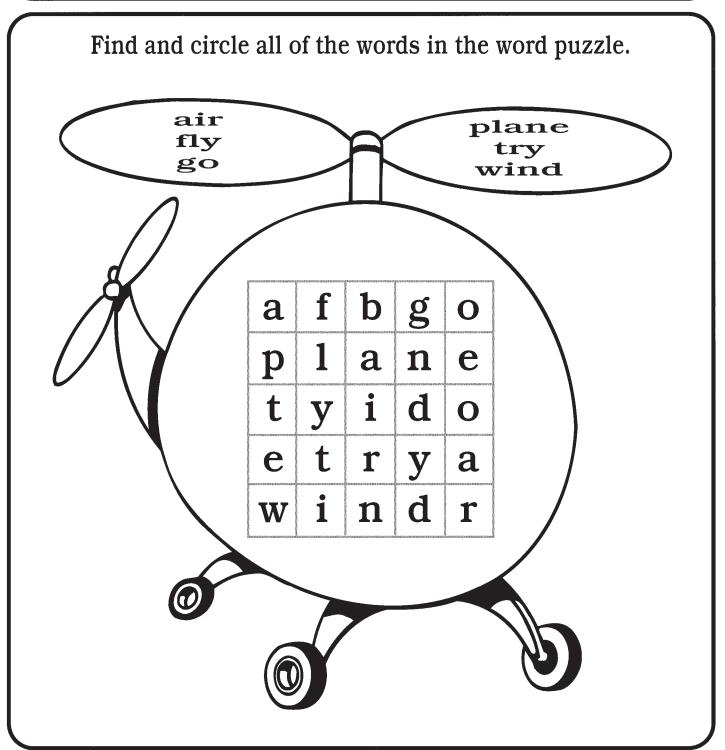
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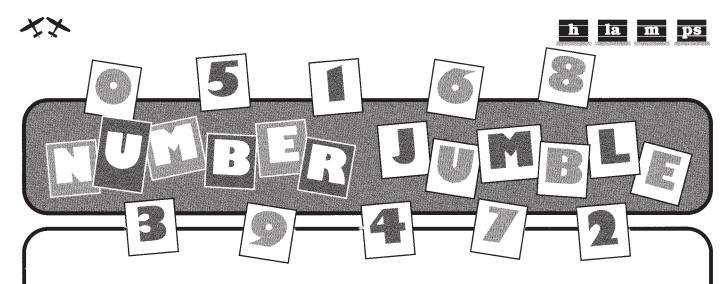












When Wilbur and Orville were very young their father gave them a present. It was a toy helicopter. This was the start of their interest in flying. Their father explained that the word "helicopter" is from the Greek words "helix" and "pter." Solve the puzzle below to find out what these two words mean in Greek.



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

- R E L M Ι L K E 30 12 5 19 25 80 22 15 20 35 4 11
- **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



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

"Helix" means _____ - _____.

"Pter" means ____ ___ ___ ___



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



1

5

5 7



8

Ç

10



11

 $\frac{-}{12}$ 1

MYSTERY WORD

4 5 1 13 8



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?

	ાં આ ભેલાનો માને લેવાને પાંચા બેલવા મેના મેના બેલવાને અને પાંચાને લેવાને લેવાને માં આવેલા અમેર મેના પાંચાને પા માના મેલામેલા મેના મેના માના પાંચાને માના પાંચાના પાંચાને પાંચા મેલામેલા મેલામેલા પાંચા માના પાંચા મેના પાંચાન માના મેલામેલા મેના મેના પાંચાના પાંચાના પાંચાના પાંચાનેલા મેલામેલા પાંચાનેલા મેના માના પાંચાનેલા પાંચાનેલા પાં
Dear Father,	
I got your letter today. My	said I
	. 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 theı	vas 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

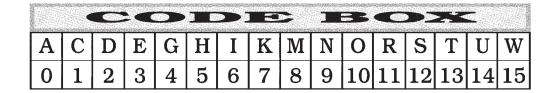
today water while



STIGNY PROBLEMS

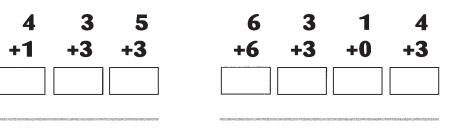
Wilbur and Orville began experimenting at an early age. When Orville was around ten years old, he mixed tar with sugar and flavoring. He cooked it in a black iron kettle over a fire in the backyard. He planned to make something, and sell it in little wrapped cakes to his friends. What was it? Work the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



Was it a success?

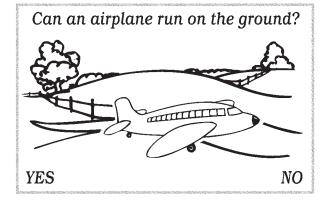
5	5		5	12	6	0	1	2
+4	+5		+1	+1	+2	+0	+1	+1
th factors of the second of the second of the second	MANAGERI PER TEMBER SERVER	,	er vedavet adalakteriak konstatut kalantariak kendalakteriak	EESTELLANDERSPERIENTE ALSONED DETAAL IN BERTINKE				inistration contrations and

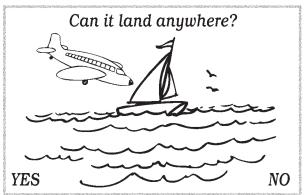


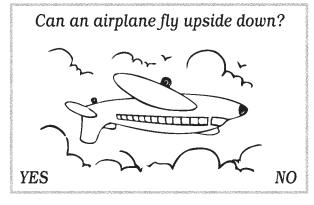


WHAT CAN AN AN ANDOS

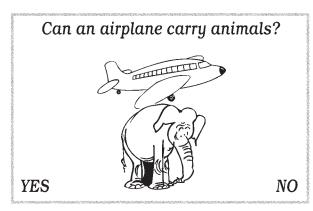
Circle the answer you think is correct.





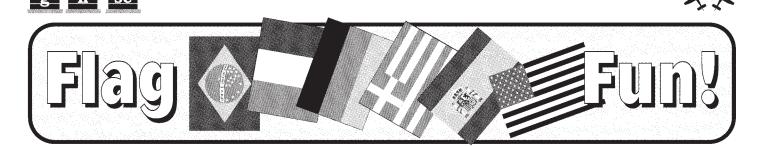












Each flag in the paragraph below stands for a different country. Use the clues at the bottom of the page to write the correct country in the blanks beside each flag to complete the sentences.

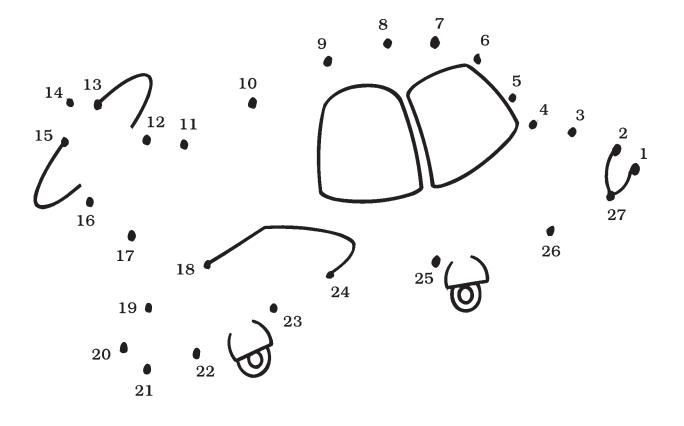
Men have dreamed of flying since the beginning of time. In
there were many myths about men flying. Around
1783, the Montgolfier brothers invented the hot air balloon in
One of the greatest aviators in the nineteenth
century was Otto Lilienthal from He inspired the
Wright brothers to take an interest 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







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

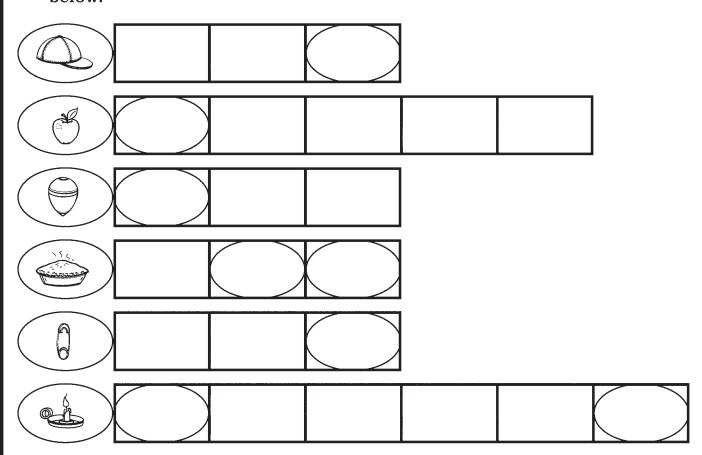




PEUCETUERE PUZZZZZE

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.



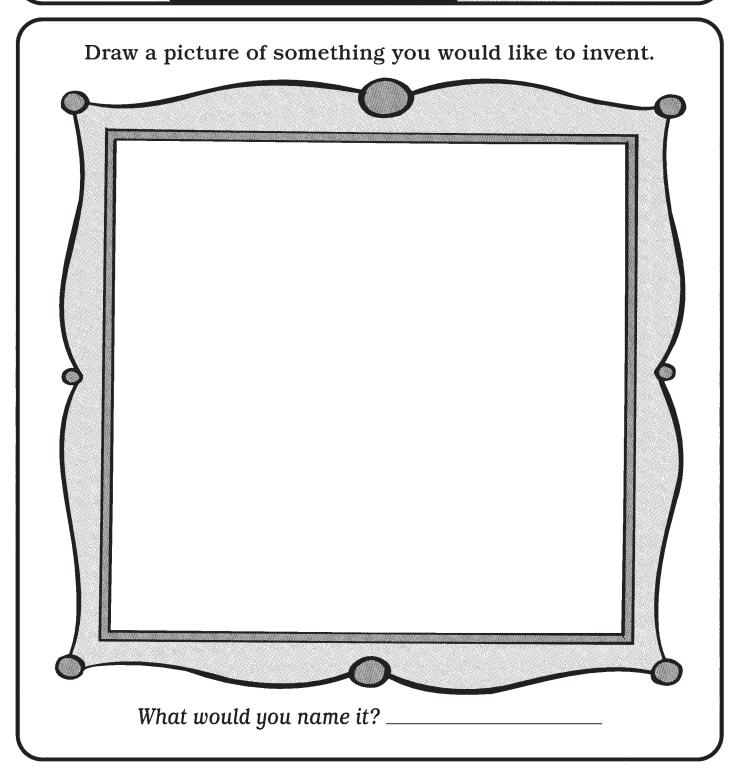
What did the Wright brothers need to be able to wait so long until their invention was ready?







BEAN INVENTOR





WILBUR & ORVILLE'S SCENCE 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:

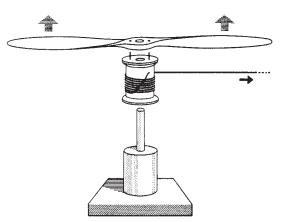
Nail the two finishing nails on top of the other spool where they will fit into the holes in the propeller. (This will keep the propeller from slipping when the string is pulled quickly.) Wrap the string around the spool and place the spool onto the end of the dowel sticking up out of the other spool.

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!









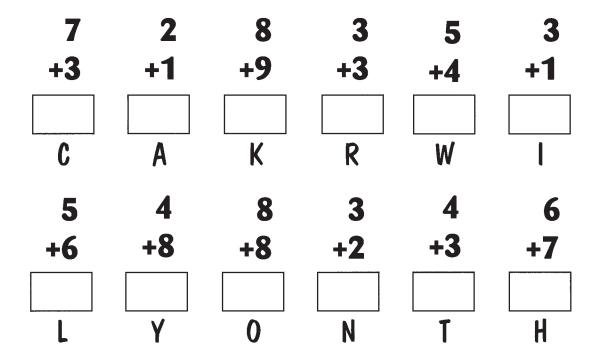
Can you find five (5) airplanes in this picture? Circle the airplanes and color the picture.





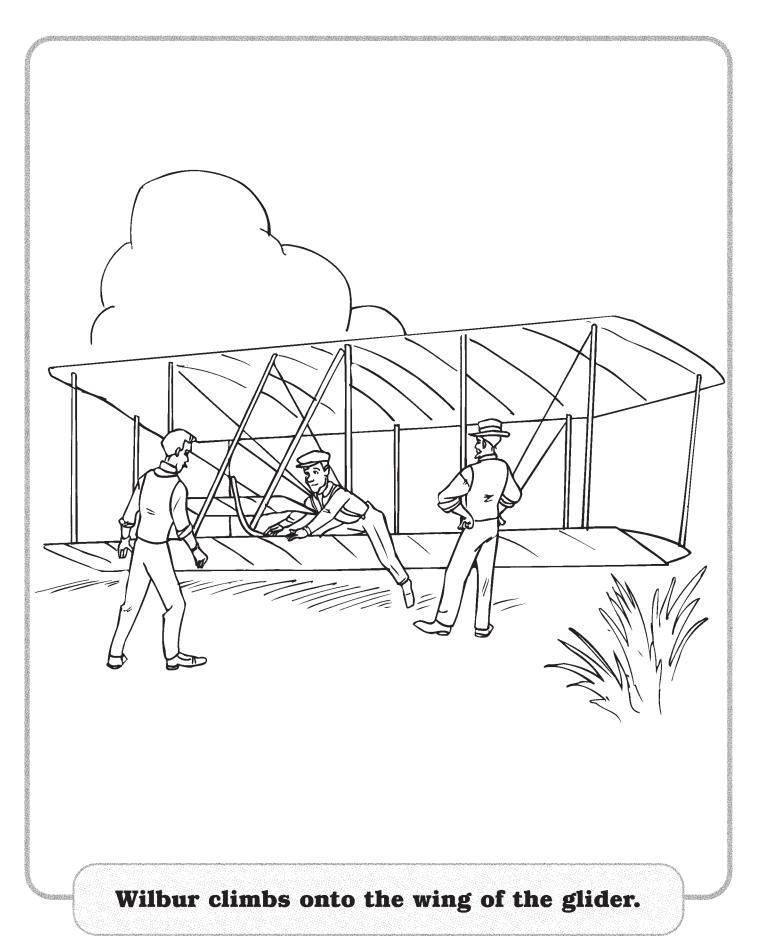
Fun with Mathand Moras

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.



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.

$$\overline{17}$$
 $\overline{4}$ $\overline{7}$ $\overline{7}$ $\overline{12}$ $\overline{13}$ $\overline{3}$ $\overline{9}$ $\overline{17}$
 $\overline{5}$ $\overline{16}$ $\overline{6}$ $\overline{7}$ $\overline{13}$ $\overline{10}$ $\overline{3}$ $\overline{6}$ $\overline{16}$ $\overline{11}$ $\overline{4}$ $\overline{5}$ $\overline{3}$







ZACZILING POETR



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.

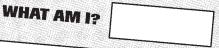
WHO ARE WE?



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.

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?

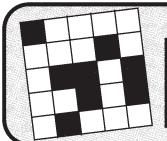




In Dayton, Ohio you will find our store; We left this place for a state with a shore. And there we flew in a town with a name; Perhaps you've heard of this town of great fame!

WHERE AM I?





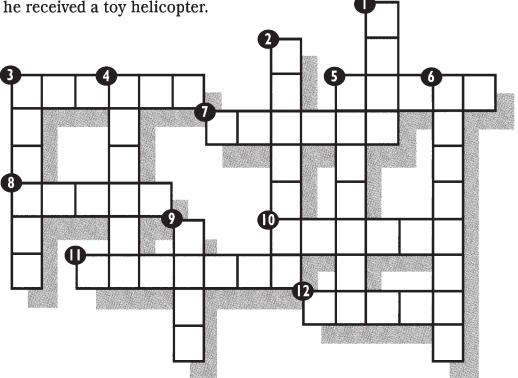
Wright's Crossword

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

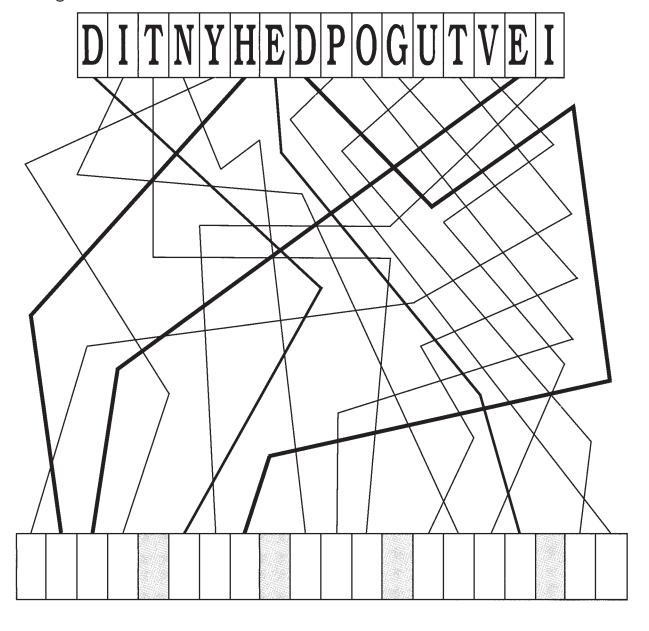
- 1. Man who helped in Kitty Hawk.
- 2. Engineer who helped the Wrights.
- 3. The older Wright brother.
- **4.** Airplane without a motor.
- **5.** The original plane was sent to the _____ Museum in London.
- **6.** Name given to motor-powered gliders.
- **9.** The secret of flying was ______ warping.

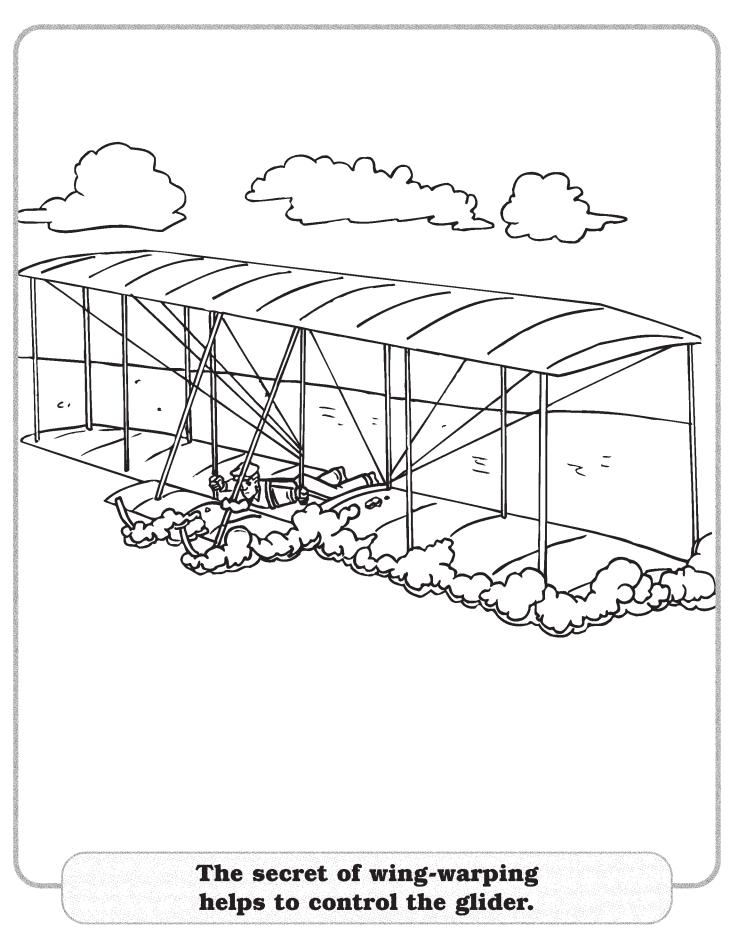






The Wright brothers tried many times to make a machine that would fly. They finally succeeded. What was the secret of their success? Follow the lines from the letters and write the letter in the attached box. Read the message.







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	4 Letter Words - 2 points each
words x 1 = points	words x 2 = points
5 Letter Words - 3 points each	6 Letter Words - 4 points each
words x 3 = points	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!





GODE ENNIS

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	Вож
Month	Day/Year
M N E	1 2 3
A D Y	4 0 6
BCR	7 8 9

MONTH:		-
	HORISHHINGS PROSECULUS SUBSECULUS GLUCSSHURGSSUU ESHINGSCHARSSOU GEROUNDES UNGSCHURGSCHURG AUGSCHURGSCHURG	2538458
	DAY:	
	TRESPECTIVE AND HERE SERVICES STREET AND HERE AND ADDRESS AND HERE AND ADDRESS	
	YEAR:	





WORDING EARCHS

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.

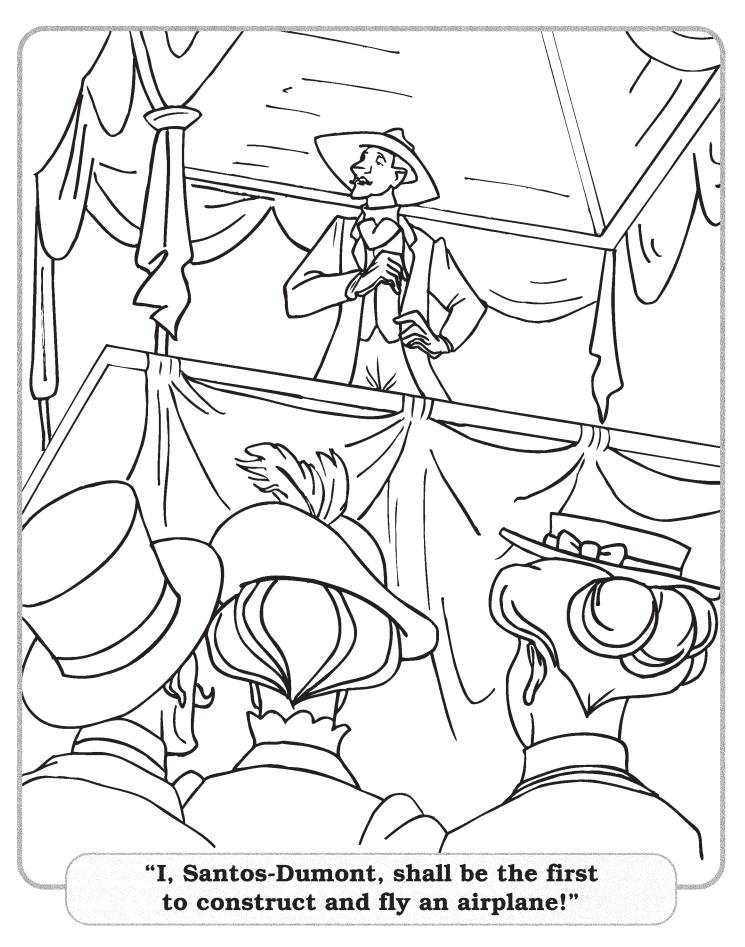
WORD BOX

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

HAWK L R Α G E R E H K L P G P N R H E X N N G 7. E Α \mathbf{H} C A N E E N N \mathbf{E} GWA R P I N G R









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

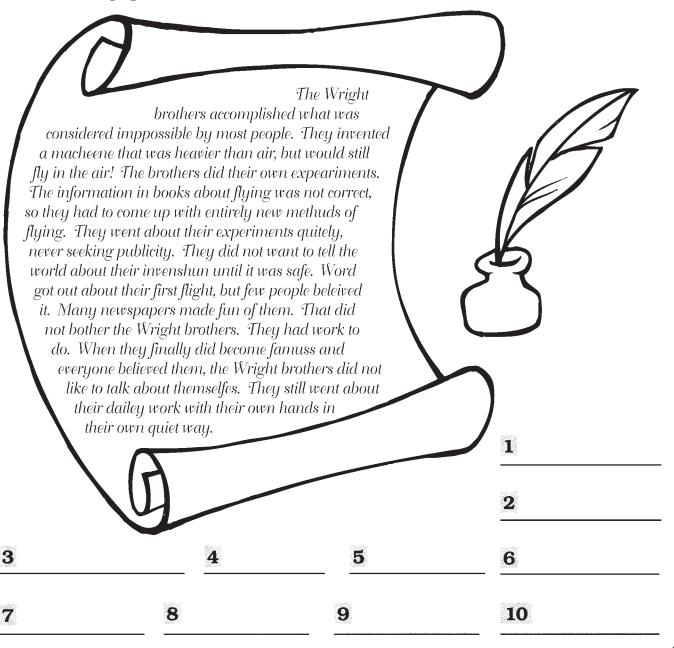
These two brothers, pioneers of ______.

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



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.



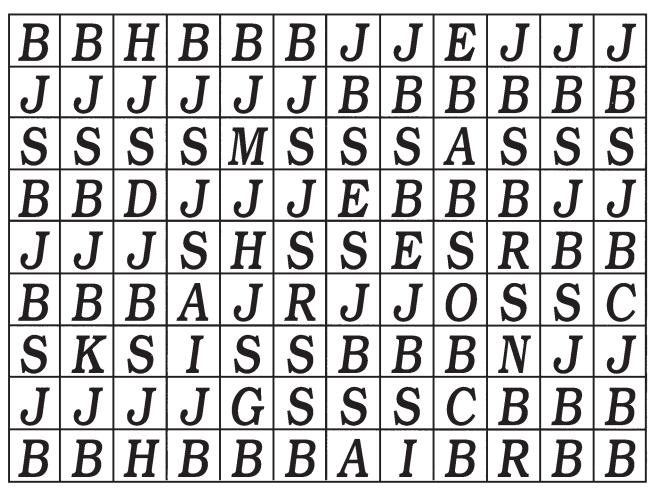




COLOR the LETTERS

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: $\mathbf{B} = \text{red}$ $\mathbf{J} = \text{green}$ $\mathbf{S} = \text{blue}$













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.

My brother and I invented the airplane. I am older than he is. Who am I?

BIWLUR

I am the youngest of the Wright brothers. Who am I?

E O ILR L V

I am the city where the Wright family lived. What is my name?

TONYDA, HOIO

I am a toy that Mr. Wright brought home to his sons. What am I?

LPRECHEIOT

I am the place where the first airplane was flown. What is my name?

Y(I)KTT WKAH

6 The Wright brothers asked me for advice many times. Who am I?

CHUTENA

I assisted the Wright brothers on their first flight. Who am I?

NAD TET(A)

8 I am the country that wanted to be first in aviation. Who am I?

R A NEC F

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



FILL in the BLANIK

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.

	WOR	D 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



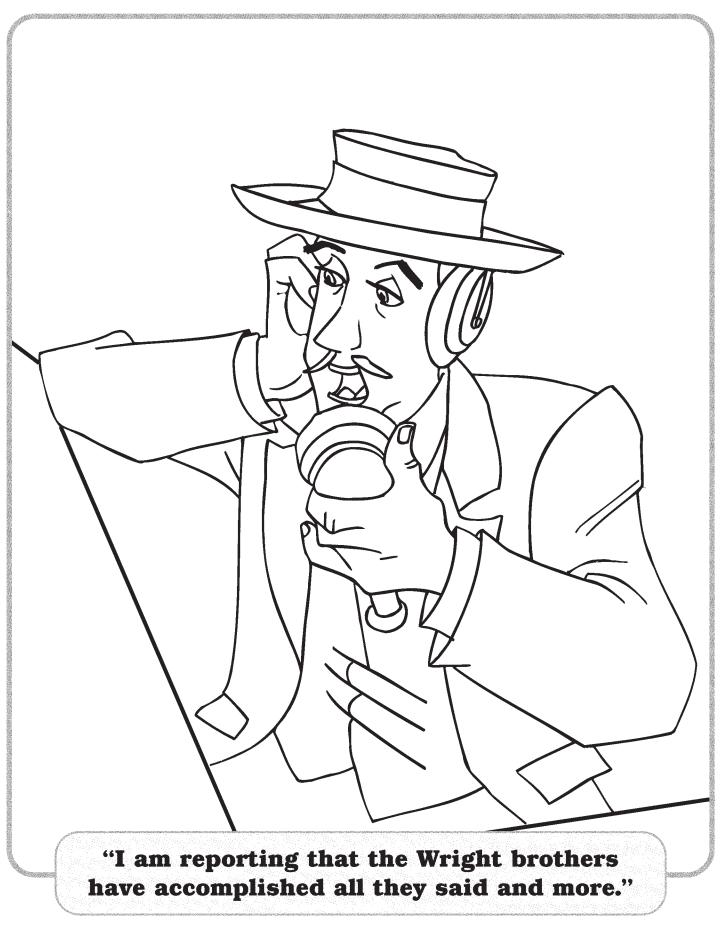


MATCHING

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







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 _engine

_experiment __flight

__glider

motor

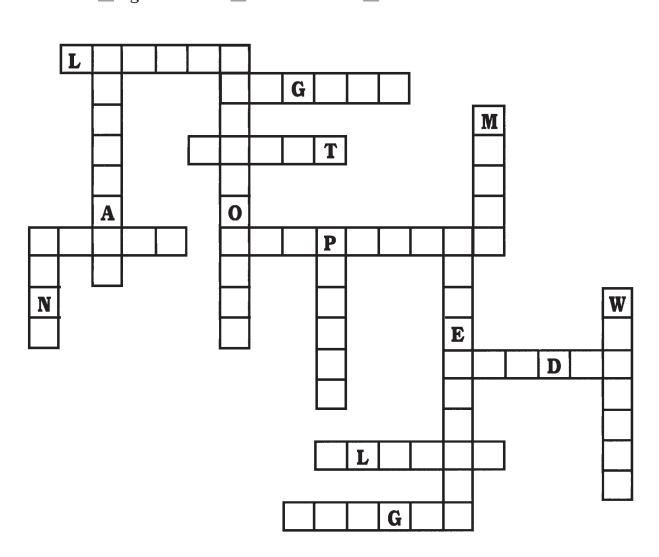
_helicopter __launch

__patent

__pilot _propeller __rudder

__warping

wind __wings





TRUE OR



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.	Т	F
3.	The two brothers started inventing at an early age.	Т	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.	Т	F
7.	They discovered a method called "wing-warping."	Т	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.	Т	F
l 0 .	England was the chosen place to display their airplane.	Т	F
l 1 .	Wilbur and Orville Wright invented the first successful airplane.	T	F
l 2 .	The Wright brothers taught many people to fly.	T	F







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?





THICS TO THINK & 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 E Y

WORD PUZZLE — PAGE 6

a	f	b	g	o
(p)	1	a	n	e
t	y	i	d	O
e	t	r	\mathbf{y}	a
177	i	n	d	r

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?

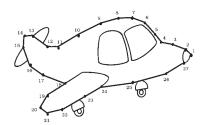
— PAGE 12

Answers may vary.

FLAG FUN - PAGE 14

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

DOT-TO-DOT — PAGE 15

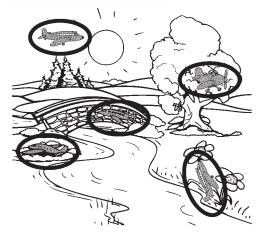


PICTURE PUZZLE — PAGE 16

CA	P)			
AP	P	L	E	
$\mathbf{T} \mathbf{O}$	P			
P(I)	(\mathbf{E})			
$\mathbf{P} \mid \mathbf{I}$	(\mathbf{N})			
$\mathbf{C} \mathbf{A}$	N	D	L	(\mathbf{E})

PATIENCE

HIDDEN AIRPLANES — PAGE 20



FUN WITH MATH AND WORDS

- PAGE 21

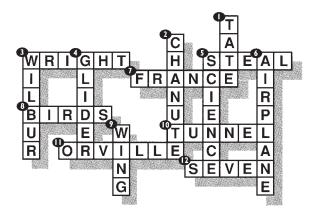
10 3 17 6 9 4 11 12 16 5 7 13

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

Α	(K	1	T	T	Y	Н	A	W	K	В	W	С	F	D
$\overline{\mathbb{H}}$	\bigcirc	N	U	Α	L	(D	Ι	R	I	G	I	В	L	E
0	R	V	I	L	L	E	R	I	E	F	L	G	Ι	Н
I	A	E	J	P	K	L	Р	G	P	M	В	F	G	N
(C)	F	N	O	I	P	R	IJ	H)	R	s	U	L	Н	Т
0	\Box	Т	M	L	U	У	A	(Ť	E	w	R	Y	T	R
N	M	I	О	$ \mathbf{o} $	X /	N	N	0	S	E	D	Ι	V	E
T	Y	0	Т	J	G,	Z	E	A	S	В	С	N	E	D
R	D	N	9	A	Œ	Н	Α	N	U	Т	E	G	F	D
0	G	Н	R	Œ	L	I	D	E	R	I	J	K	L	U
Γ	$\overline{\mathbf{w}}$	I	N	D	T	U	N	N	E	T)	M	N	0	R
W	I	N	G	W	A	R	P	I	N	G	R	S	T	A

POET'S PAGE — PAGE 31

stop airplane blade Kitty Hawk flight so

ALL-AMERICAN SPELLING BEE

— PAGE 32

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

COLOR THE LETTERS — PAGE 33

B	B	Н	B	B	B	J	J	E	J	J	J
J	J	J	J	J	J	В	B	В	В	В	В
S	S	S	S	M	S	S	S	A	S	S	S
В	В	D	J	J	J	E	В	В	В	J	J
J	J	J	S	Н	S	S	E	S	R	В	В
В	В	В	\boldsymbol{A}	J	R	J	J	0	S	S	C
S	K	S	I	S	S	В	В	В	N	J	J
J	J	J	J	G	S	S	S	C	В	В	В
В	EXPOSED SERVICE		CONTRACTOR	NAMES OF TAXABLE PARTY.	200000120000000			В		202000000000000000000000000000000000000	300000000000000000000000000000000000000

He made her a rocking chair.

STARS & STRIPES SCRAMBLERS

— PAGE 35

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

AIRPLANE

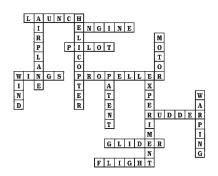
FILL IN THE BLANKS — PAGE 36

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
- 17. They chose France for their first flying exhibitions. That is where many other inventors were flying or demonstrating.



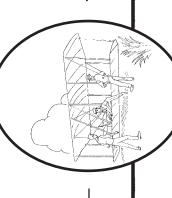
has mastered the

The Wright Brothers

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