

## Things That Fly

### Audio CD Section 3: Expanded Story

(Page 12) Sometimes I wish I was a bird. A bird has wings and a bird can fly. I would really love to fly. **What's that in the sky? It's not a bird. It's flying so high! Can this paper airplane fly that high? What about kites and hot-air balloons? Let's look at other things that can fly.**

(Page 14) Look at all these colorful kites. **Hundreds of years ago, before we had balloons or airplanes, people flew kites. Chinese people made the first kites.** They made kites from paper and bamboo. A kite needs wind and a very long piece of string to fly. **Today you can see kites in the sky on windy days.** People fly kites for fun, and because they look beautiful. **Can you fly a kite?**

(Page 16) **Do you know that hot air goes up? Cold air goes down, and hot air goes up. If you put hot air in a balloon, it goes up, too. Look at these balloons. Can you see people in the baskets under the balloons?** They use fire to make the air hot. The hot air goes up into the balloon, and the balloon flies up into the sky. To come down, just turn the fire off. **It's a fun way to fly.**

(Page 18) Wow! Look at this funny-looking balloon. Its shape looks a bit like a watermelon. **This is not a hot-air balloon, it's an airship. The first airship flew in 1900. Airships had engines so they flew faster than hot-air balloons.** Airships are full of gas. The gas is lighter than air so the airship can fly. Many years ago **the biggest airships flew from Europe to America.**

(Page 20) People wanted to fly fast, so they built the airplane. **The first airplanes looked like this.** They had long wings, a big engine, and a propeller. **They only carried one person. The Wright brothers flew the first airplane in 1903. They didn't fly very far, but today we can fly all around the world in airplanes.**

(Page 22) **Today we use aircraft for many different things. We use them for travel, we use them for work, and we use them for fun. This airplane is landing on the water.** It's called a seaplane. **It can take people where cars cannot go.** People use these seaplanes in places where there are many big lakes and not many roads. It's an exciting way to fly.

(Page 24) **This is a hardworking airplane. It can carry four hundred people halfway around the world without stopping. It's called a jumbo jet because it is so big. It needs a lot of space to take off and land.** A jumbo jet has four big engines on its wings. The engines are very strong and noisy, and the wings are very long. Have you been on a jumbo jet?

(Page 26) This is not an airplane. This aircraft is called a helicopter. **Helicopters are amazing. They can take off and land in a very small space. They can go straight up and come straight down. They can also hover.** We use helicopters for many jobs: they

can transport sick people, fight fires, and help lift heavy things. **This helicopter is lifting a man out of the water.** The helicopter is saving him. He's a very lucky man.

(Page 28) **To really fly like a bird you need to use a hang glider.** Hang gliding is a sport. You fly a hang glider for fun. **It's light like a kite, and it has wings like a bird. It doesn't need an engine. It uses the wind to help it glide through the air.** To get started, people jump off a mountain or hillside, and they glide on the wind for a long time, like birds. Would you like to try to fly like this one day?

(Page 30) This type of flying is very exciting. **These skydivers go up in an airplane. They all jump out together with parachutes in their backpacks.** They dive out of the airplane into the sky, so it's called skydiving. As they fall through the air, **they make shapes with their bodies in the sky. Then they open their parachutes and glide down gently** to the ground. It's a dangerous sport, but it's also very exciting.

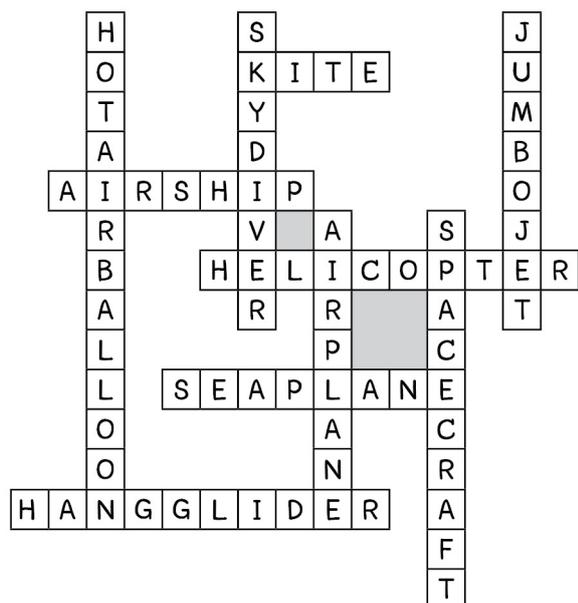
(Page 32) Let's look to the future. How do you think we will fly one hundred years from now? **One day, perhaps, people will fly to Mars and back in a spacecraft just like this.** Maybe we will even be able to fly to the moon for a vacation. That will be so cool! **How do you like to fly? By hot-air balloon, helicopter, hang glider, or jumbo jet? Which do you choose?**

### Audio CD Section 4: Picture Dictionary

**airplane** People built airplanes because they wanted to fly; **airship** Airships are full of gas; **backpack** Skydivers have parachutes in their backpacks; **baggage** She can take a lot of baggage; **balloon** A hot-air balloon is a fun way to fly; **basket** Hot-air balloons have baskets for people to sit in; **bat** The purple kite looks like a bat; **dragon** The yellow kite looks like a dragon; **hang glider** People fly hang gliders for fun; **heart** The red kite looks like a heart; **helicopter** Helicopters can take off and land in a small space; **jumbo jet** Jumbo jets need a lot of space to take off and land; **kite** I like to fly a kite on a windy day; **parachute** Skydivers need parachutes to glide down gently; **seaplane** A seaplane can land on water; **skydiver** Skydivers dive out of airplanes; **spacecraft** In the future, people will fly to Mars in a spacecraft; **star** The orange kite looks like a star.

## Activity Answers

(Page 13)



**(Page 15) 1.** 1 There is one purple kite; 2 There are two green kites; 3 There is one red kite; 4 There are three orange kites; 5 There is one yellow kite. **2.** 1 The purple kite looks like a bat; 2 The green kites look like fish; 3 The red kite looks like a heart; 4 The orange kites look like stars; 5 The yellow kite looks like a dragon.

**(Page 17)** 1 Chinese people; 2 On windy days; 3 *free answer*; 4 Yes, it does; 5 In a basket; 6 *free answer*.

**(Page 19) 1. and 2.** big; light; fly; were; from; smaller.

**(Page 21)** Orville and Wilbur Wright; Thursday, December 17, 1903; Kitty Hawk; 12 seconds; 36.5 meters.

**(Page 23)** 4; 3; 5; 1; 7; 2; 6.

**(Page 25)** Jane Matthews; Vancouver; Hong Kong; 12.45; 17.10; E12; 7F; Business; 30 Kilograms.

**(Page 27)** 2; 7; 4; 8; 1; 5; 3; 6.

**(Page 29)** 1 no; 2 yes; 3 yes; 4 yes; 5 yes; 6 no; 7 no; 8 yes; 9 yes.

**(Page 31)** I went up in an airplane. I jumped out with a parachute in my backpack. I made shapes with my body in the sky. Then I opened my parachute and glided down gently. (*other answers possible*)

**(Page 33)** *free answers*

## Let's Go to the Rainforest

### Audio CD Section 3: Expanded Story

(Page 38) Do you know what a rainforest is like? **This is a rainforest. The weather here is hot all year.** It's called a rainforest because **it is always wet. It rains every day.** Can you see the tops of the trees? They are in the clouds. **It feels hot and sticky.** There is so much to see in the rainforest.

(Page 40) **Let's go to the rainforest** and see some of the amazing things that live there. It's not easy to get to the rainforest. **First you fly in an airplane. Then you ride in a truck. Then you go in a boat. Finally you walk.** Here is a boat on a river in the rainforest.

(Page 42) In the rainforest, there are lots and lots of trees. **Trees in the rainforest grow very tall. The tops of the trees can reach the clouds.** The clouds bring lots of rain. The rain helps the trees to grow. The trees also need sunlight. The tall trees get lots of light. **The trees live a long time. They can live a thousand years.**

(Page 44) **Many birds and animals live in the rainforest.** The birds build their nests in the tall trees. **Sometimes you cannot see them because it is dark under the trees. But you can often hear them.** The birds eat the fruit and insects on the trees. The birds in this picture are called parrots. Parrots are colorful birds.

(Page 46) **What are these strange-looking animals?** They have white faces, black noses, and yellow eyes. They also have stripes on their tails. **They are a family of lemurs. Lemurs come out at night and they use their big eyes to look for fruit.** They also eat leaves, bark, and flowers. Lemurs are very good at climbing trees. **How many lemurs can you see?**

(Page 48) This little animal is a tree frog. **Tree frogs are very small,** so you must look carefully to see them. **This tree frog lives in a flower,** in the rainforest. **Tree frogs are bright and colorful.** How many colors can you see on this frog? **This frog has big eyes and a big mouth.** Its big eyes help it to see at night, and it uses its big mouth to catch and eat insects.

(Page 50) **The rainforest is home to millions of ants.** Ants are very interesting insects. **They are always very busy. Although they are small, they are very strong when they work together as a group.** Ants live and work in a big group, like an army. An army of ants can cross a stream and move big things.

(Page 52) **Insects, insects, they are everywhere. There are more insects in the rainforest than any other animal.** Insects are small, but they are very important to the rainforest. **They come in all shapes, colors, and sizes.** Their colors help to hide them and protect them from bigger animals. **Each insect is different, but they all have six legs.** Some insects crawl, others jump, and others fly.

(Page 54) **This big cat is a jaguar. It's the king of the rainforest.** The jaguar has circles on its fur. It's not easy to see it in the rainforest. **It hunts through the trees, using its ears, eyes, and nose to find an animal to eat.** It walks very carefully and quietly, and then jumps on the animal. The jaguar has big sharp teeth. **It's strong and fast – and very dangerous.**

(Page 56) **It's night-time in the rainforest. The moon is shining.** Many animals in the rainforest come out at night. Night-time is a good time to see rainforest animals. **What's that? It's a bat!** Bats live in the rainforest, too. **Bats sleep in the day and fly around at night.** They fly around and look for insects and fruit.

(Page 58) There are rainforests in many countries of the world. Is there a rainforest in your country? **The rainforest is very important to all of us. It cleans the air, and is home to many animals and plants. If we protect the rainforest, we can help save the world.**

### Audio CD Section 4: Picture Dictionary

**alligator** An alligator has a strong tail; **ant** An ant is very small, but strong; **bark** There is bark on a tree; **bat** A bat sleeps upside down; **branch** A tree has many branches; **butterfly** This butterfly is a beautiful color; **frog** This frog has big eyes and a big mouth; **jaguar** The jaguar is the king of the jungle; **leaf** There is a frog on the leaf; **monkey** A monkey is very good at climbing; **parrot** A parrot is a colorful bird; **root** A tree has big roots; **seed** A seed grows into a plant; **snake** Snakes can move quietly; **spider** A spider has eight legs; **tiger** A tiger uses its black stripes to hide in the grass; **truck** My dad drives a truck.

### Activity Answers

(Page 39) **1.** 1 yes; 2 yes; 3 no; 4 yes; 5 no; 6 no; 7 yes; 8 yes. **2.** hot, wet, and sticky.

(Page 41) **1.** 5, 3, 1, 2, 4, 6. **2.** First, you buy a seed. Then you find a good place in the garden. Then you dig a hole. Then you put the seed in the hole. Then you cover the seed with soil. Finally you water the soil.

(Page 43) 7 bark; 12 root; 11 flower; 3 fruit; 9 snake; 8 trunk; 4 branch; 1 leaf; 6 plant; 2 bird; 5 butterfly; 10 soil.

(Page 45) 1 bird; 2 ant; 3 river; 4 insect; 5 butterfly; 6 flower; 7 spider; 8 tree; 9 snake; 10 tiger.

(Page 47) Elephants use big ears to keep them cool; Alligators use strong tails to swim quickly; Eagles use big wings to fly through the air; Piranhas use sharp teeth to eat their food; Monkeys use long tails to swing in the trees; Anacondas use their body to kill their prey; Lemurs use big eyes to find fruit; Tigers use black stripes to hide in the grass.

(Page 49) **1.** are; big; elephant; in the; Elephants are; has; nose/trunk; big. **2.** are; small; parrot lives; the rainforest; and colorful; parrot; big/long beak/nose; two. (*other answers possible*)

(Page 51) an anaconda is a very big snake; an ant is very small, but very strong; a bat sleeps upside down; a jaguar is the king of the rainforest; a frog can live in water and on land; a lemur looks for food at night;

a jaguar can run very fast; a monkey is very good at climbing; a piranha is a fish with sharp teeth.

**(Page 53)**

1.



2. INSECTS ARE SMALL BUT VERY IMPORTANT ANIMALS.

**(Page 55) 1.** Birds can sing; Snakes can crawl; Monkeys can climb; Spiders can make a web; Jaguars can run; Moths can fly; Alligators can swim.

2. 1 Jaguars can run; 2 Birds can sing; 3 Spiders can make a web.

**(Page 57)** 1 Bats sleep in the day; 2 The tree frog lives in a flower; 3 Some trees live a thousand years; 4 The weather is hot, wet and sticky; 5 Lemurs eat fruit; 6 Because it is dark under the trees.

**(Page 59)** Don't waste paper; Stop cutting down trees; Teach people about the rainforest; Plant more trees; Don't use wood to build houses; Ride a bicycle and don't drive a car.

