



## About the Book

Learning how to follow directions, a skill essential to learning and daily living, requires practice. And what better way to help students feel confident and grow in their independence than to provide them with opportunities to read and complete tasks on their own!

Every activity in this book requires the student to be a careful and critical reader.

Directional words and basic instructional words are stressed throughout the book. Each activity includes interesting, pertinent information and directions for the students to follow. These directions include skills relevant to lower secondary curriculums and also provide students with the opportunity to express a personal choice or opinion.

Since this book has a science theme, we are positive that your students will have a wonderful time following directions as they learn about many fascinating topics.

### Credits:

Kathy Zaun	Author
Diana Fritch	Artist
Deborah LaFlamme	Artist
Lee Quackenbush	Project Director
Mina McMullin	Project Assistant
Jill Kaufman	Project Assistant
Suzanne Hentz	Project Assistant
Janie Schmidt	Production
Cindy Cutler	Cover Artist
Mike Denhof	Graphic Design

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P.O. Box 580  
Cheltenham, Victoria, Australia 3192  
Phone: (03) 9555 1344 Fax: (03) 9553 4538  
Toll Free Ph: 1800 33 4603 Fax: 1800 15 0445  
Website: <http://www.hbe.com.au>  
Email: [brown@hbe.com.au](mailto:brown@hbe.com.au)

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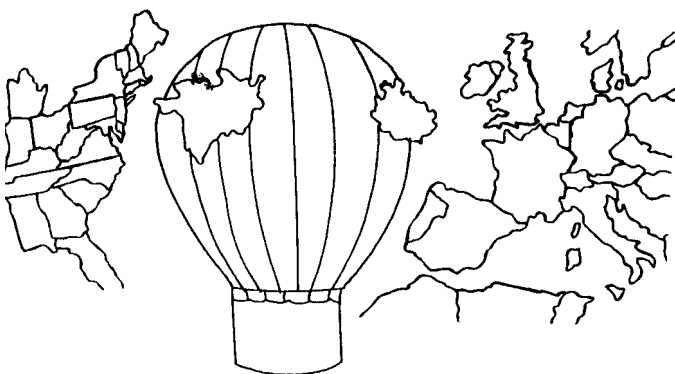
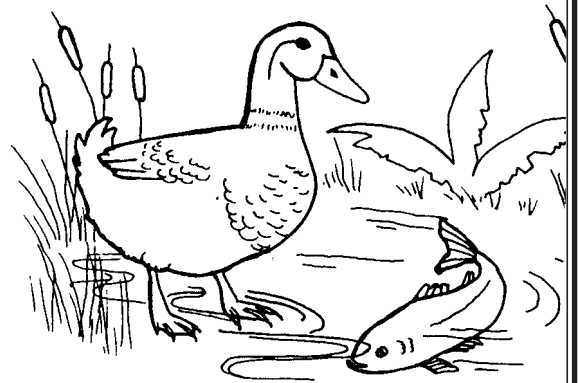


## How to Use the Book

Being able to follow directions is an important and vital skill everyone should master. Every day, people are faced with situations in which they are required to follow directions. It is sometimes written directions that are the hardest to follow.

This book was designed to help your students master the skill of following directions. However, your students will be so intrigued and fascinated with the wealth of scientific information provided on each page, that they will probably not even be aware of the valuable skill they will be practicing and improving!

Each page contains information on a topic relevant to life or physical science. These current, up-to-date topics contain lots of activities the students can use to broaden their knowledge in many areas that directly relate to the concepts you study in science class. You could also turn any of the activity pages into a research project for your students. The information contained in this book will provide you with lots of ideas for extended activities if you choose to use it in this manner.

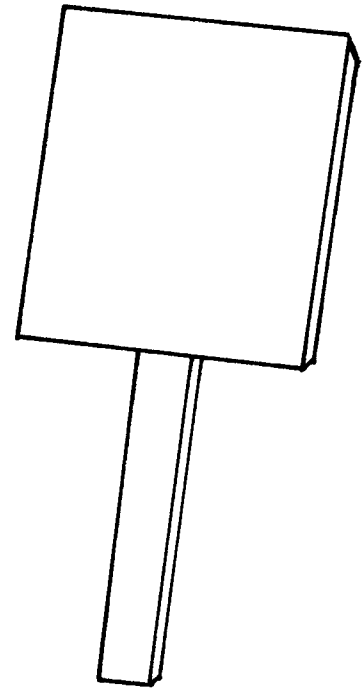
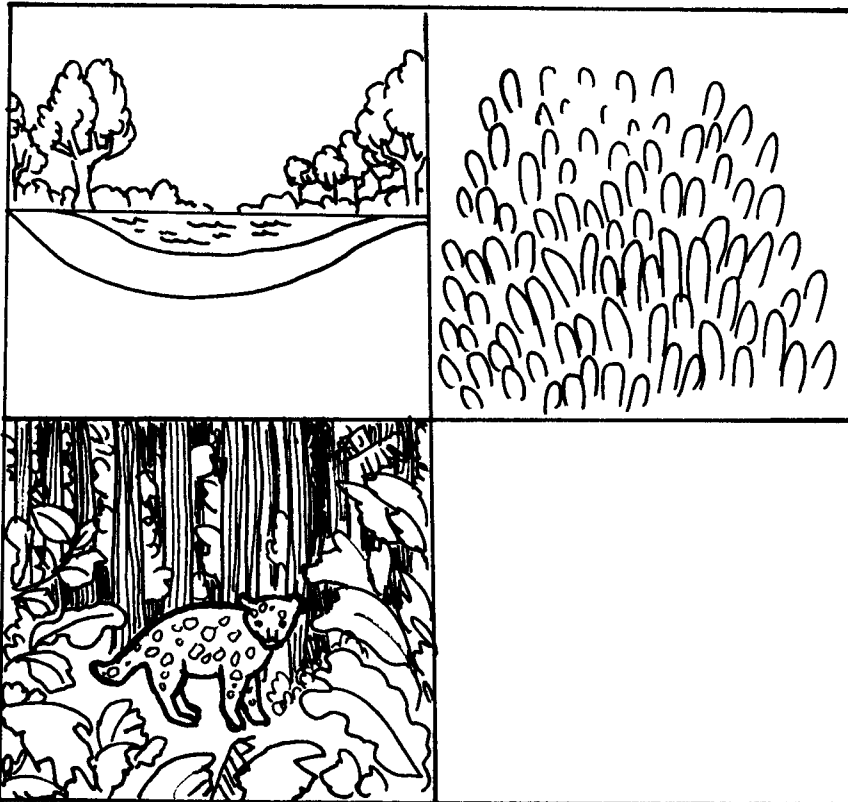


Use these activity pages to supplement a science class, to use in small groups or individually, as classroom assignments or even as homework assignments. They can all be adapted to meet your special needs. Just remember, no matter what this book is used for, your students' following directions skills will certainly improve.





# Which Animals Should Be Saved?

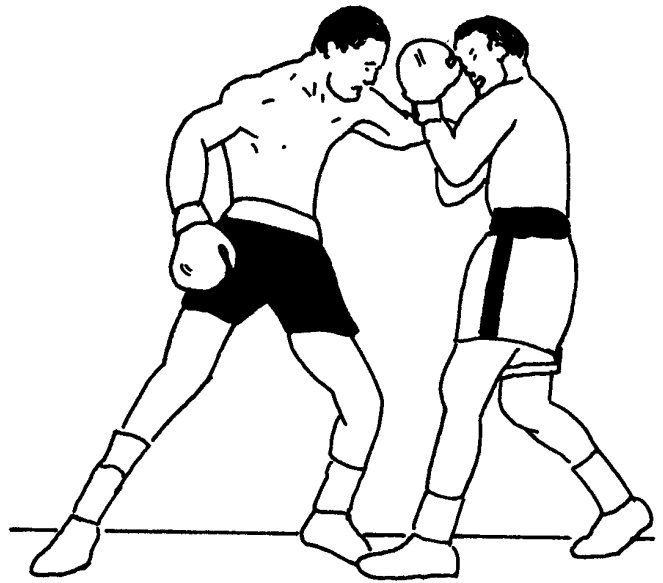
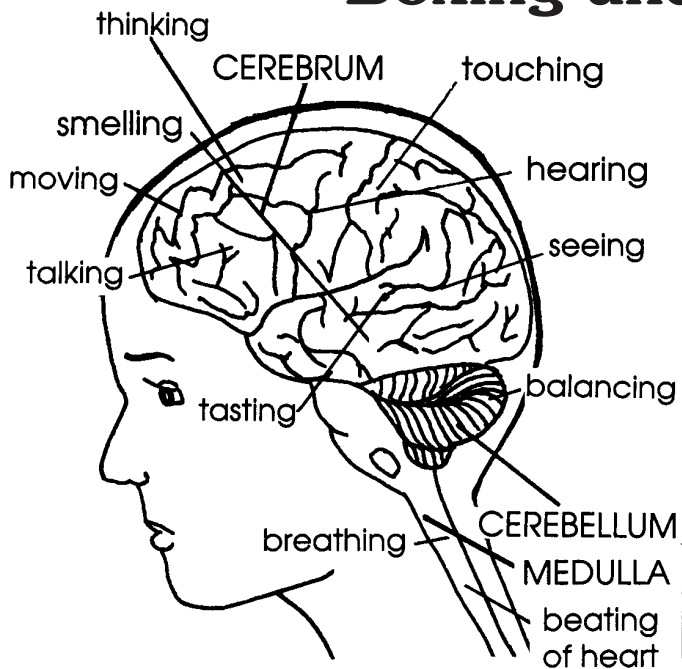


Each year, nearly 10 000 species of animals become extinct. It is people who are largely responsible for causing the extinction.

1. Many species are threatened with extinction because people destroy wetlands, tropical rainforests, coral reefs and other natural areas. Label each of these areas.
2. In the empty box, draw a threatened animal that lives near your home.
3. Scientists predict that 20 percent of the Earth's species will become extinct in the next few decades. If nearly 10 000 become extinct each year, how many species is that over two decades? Write the answer next to the title.
4. List some reasons why species face extinction to the right of the poster above.
5. Even though humans are the biggest threat to some species, they are also their greatest hope for survival. This is kind of like the saying, 'Best friend and worst enemy'. Write a sentence relating this phrase to your life under the title.
6. Some scientists use triage to decide which of the thousands of endangered species to try to save. Explain this word in relation to threatened animals on the back of this page.
7. List some ways to help you decide which animals need to be saved more than others on the back of this page.
8. On the sign above, make an advertisement to save a particular animal.
9. Circle the word on this page which means prognosticate.
10. Wildlife conservationists realise that it takes the help of all people to preserve the life forms on Earth and to prevent species from becoming extinct. Write on the back of this page some things you could do to help protect the animals.



# Boxing and the Brain



Several international medical groups, including the Australian Medical Association, have called for a ban on all amateur and professional boxing because of the possible brain damage that can happen. Many boxers have suffered irreparable damage to their brain and a large number have even died.

1. A boxer named Duk Koo Kim was flattened on the mat with a powerful punch to his jaw in 1982. Circle the parts of the brain that would help someone be a good boxer.
2. Duk Koo Kim's fans went home, but Kim was rushed to the hospital with a severe head injury. Label some functions of the cerebrum in the space provided. Hint: Most of a person's mental activities take place in the cerebrum.
3. Kim had brain surgery but died anyway five days after the surgery. He was the 353rd boxer to die from such injuries since 1945. On the average, write how many this is per year next to the title.
4. During Kim's fight, blood vessels burst in his head filling up the small space between his brain and his skull with blood. This type of bleeding is the most common cause of death in the boxing ring. Circle the word on this page which means hopeless.
5. Neurologists have begun exploring the long-term effects of boxing. Write the definition of neurologist under the boxers.
6. Slurred speech, shuffling walk, memory loss and lack of coordination can be permanent results of boxing injuries. List some permanent results an education can have on the back of this page.
7. Fans of boxing claim boxers know the risks they are taking and believe boxing shouldn't be banned. Write if you agree with this on the back of this page.
8. Underline all of the verbs written in the past tense on this page.
9. Write what changes could be made in boxing to make it more safe under the sentences you wrote about banning boxing.
10. List your favourite sport and some risks involved in playing it above the boxers.