Bibliography

FICTION

**Compestine, Ying Chang. THE STORY OF KITES.** Holiday House, 2003. 32p. $16.95. ISBN 0823417158. Long ago in China, the Kang brothers became tired of chasing birds from their family’s rice fields. They watched the wind carry objects up into the sky and used their observations to invent a *fengzhen*. Their kites were flown over the rice fields, chasing away the birds and saving them from that “boring” task. The *Author’s Note* describes how the Chinese philosopher Mo Di invented kites, and complete directions for building a diamond kite are included at the end of the text. (Investigation 3: Wind Explorations)

**Lin, Grace. KITE FLYING.** Dragonfly Books, 2004. 32p. $14.00. ISBN 0553112546. Since the wind is blowing just right, Mei-mei and her family gather all the materials they need to make a hand crafted dragon kite. Each double-page spread illustrates one step of kite making process, and the finished kite flies as if it were “talking to the wind.” The end notes include the cultural and historical context of kite making and flying. (Investigation 3: Wind Explorations)

NON FICTION

**Bauer, Marion Dane. CLOUDS.** Aladdin, 2004. 32p. $3.99. ISBN 0689854412. Through very simple text, the reader is introduced to three kinds of clouds – cirrus, stratus, and cumulus – and learns how clouds form and how they produce shade, rain, and snow. (Investigation 2: Observing Weather)

**Bauer, Marion Dane. RAIN.** Aladdin, 2004. 32p. $3.99. ISBN 0689854390. Meant for the early reader, this text describes how the drops of water in clouds grow larger and heavier until they fall. The water cycle is explained in very simple terms and a list of facts for discussion is added at the back of the text. (Investigation 2: Observing Weather)

**Bauer, Marion Dane. WIND.** Aladdin, 2003. 32p. $3.99. ISBN 0689854439. Through simple text, the author explains what wind is, how plants, birds, and people use wind, and how winds can turn into storms. (Investigation 3: Wind Explorations)
34p. $4.95.  ISBN 0064452085.  This excellent science story tells how soap bubbles are formed, why they float in the air, and what causes them to break. Other investigations include how air forms bubbles in soda, water, juice and milk and why each of these liquids behaves differently when air is blown into them. Fun and informative all in one! Illustrated in full-page color photographs featuring children making bubbles and thinking about bubbles invite the readers to participate themselves to test the data. (Investigation 1: Exploring Air; Investigation 3: Wind Explorations)

40p. $4.99.  ISBN 0060592052.  In this updated version of the 1974 edition, more emphasis is placed on what brings about seasonal change rather than on the characteristics of the four seasons. The colorful illustrations support the text and visually help make the concepts more understandable for the young reader. (Investigation 4: Looking for Change)

0688178413.  The characteristics of air and the action of wind are topics that lend themselves to experimentation. In this text, the author and illustrator offer several demonstrations that children can do themselves as they learn about air and wind. (Investigation 1: Exploring Air; Investigation 3: Wind Explorations)

$4.95.  ISBN 0516259047.  Through full-color photos and an easy-to-read text, the author offers a simple introduction about how weather changes and how meteorologists forecast the weather. Text features: table of contents, glossary, index. (Investigation 2: Observing Weather; Concept 4: Looking for Change)

Ganeri, Anita.  DAY AND NIGHT.  Heinemann, 2004.  32p.  $7.25.  ISBN 1403458839.  The cycle that takes place as day moves into night and the phases of the moon are discussed as connected patterns of change in our natural world. Text features: table of contents, captioned photographs, charts, glossary, index. (Investigation 4: Looking for Change)

Ganeri, Anita.  SEASON TO SEASON.  Heinemann, 2005.  32p.  $7.25.  ISBN 1410913201.  The changing of seasons follows a pattern whether the change moves through two seasons or four seasons. Compare the four seasons in the north and south regions of the earth and the two seasons around the equator to find out how the tilt of the earth affects the warmth from the sun and the length of the day. Text features: table of contents, captioned photos, labeled diagrams, glossary, index. (Investigation 4: Looking for Change)

Hughes, Monica.  WEATHER PATTERNS.  Heinemann, 2004.  32p.  $7.25.  ISBN 14034586871.  Weather follows patterns – most places in the world have a yearly weather pattern and some places also have a daily weather pattern. Investigate weather patterns as they relate to temperature, climate and season. Text features: table of contents, captions, charts, graphs, maps, glossary, index. (Investigation 4: Looking for Change)
Looking for Change – Lesson 1: Weather Graphs; Lesson 2: Comparing the Seasons

Kenah, Katharine. WILD WEATHER (TIEMPO SALVAJE). Waterbird Books, 2005. 32p. $3.95, ISBN 0-7696-3814-7. From the Extreme Reader series, this slight volume has repetitious sentence structure that aids the beginning readers in English and Spanish. Although not in alphabetic order, the pages are basically a pictorial glossary of key terms in weather.


Levine, Shar. FIRST SCIENCE EXPERIMENTS: WONDERFUL WEATHER. Sterling, 2005. 48p. $4.95, ISBN 1402727682. This book is question based – very basic questions about the weather are asked and then answers come as students work through the step-by-step science activities. Although the author advises students to have adult help, most of these experiments can be done alone with materials generally found at home or in a classroom. The sections of particular interest are: Air and Temperature, and Wind. Text features: table of contents, insets, index. (Investigation 2: Observing Weather; Investigation 3: Wind Explorations; Investigation 4: Looking for Change)

Mack, Lorie. WEATHER. DK Limited, 2004. 48p. $10.00, ISBN 0456603234. This text offers photo-rich introductions to several weather concepts including seasons, cloud formations, wind, air pressure and storms. Brief sections on weather forecasting, climate change, and harnessing wind are offered. Text features: table of contents, graphs, charts, insets, captioned photos, glossary, index. (Investigation 2: Observing Weather)

Michaels, Pat. W IS FOR WIND: A WEATHER ALPHABET. Sleeping Bear Press, 2005. 40p. $16.95. ISBN 1585362379. This alphabet book covers many aspects of the weather from atmosphere to zero (degrees), and the format allows for both reading aloud and promoting further research. The read aloud section of each page is in rhyming couplets that provide some scientific knowledge, but the value is in the sidebars. As an example: “W is for wind. It flows south, north, east, and west. The wind is never really at rest.” but in the accompanying sidebar, there is a good explanation of the Beaufort scale. (Investigation 2: Observing Weather; Investigation 3: Wind Explorations; Investigation 4: Looking for Change)

Miles, Elizabeth. WATCHING THE WEATHER: RAIN. Heinemann, 2005. 32p. $7.25. ISBN 1403456755. Each book in the Watching the Weather series explores a different kind of weather. In this text, readers will find out where rain comes from, how air affects rain, rain and the seasons, how plants and animals use rain, and how keep a rain diary from information gained from a rain gauge. Text features: Table of contents, captioned photographs, charts, maps, glossary, index. (Investigation 2: Observing Weather; Investigation 4: Looking for Change)
Nelson, Robin. **A WINDY DAY.** Learner, 2002. 24p. $3.95. ISBN 0822519631. Through an easy-to-read text and full-color photographs, the author explains how we can “see” wind, and how wind can either be gentle (breeze), forceful (hurricane), or somewhere in between. Text features: glossary, index. *(Investigation 1: Exploring Air; Investigation 3: Wind Explorations)*

O’Hare, Ted. **WEATHER SIGNS.** Rourke, 2003, 24p. $10.95. ISBN 1589525752. Find out how observing weather signs can help experts predict tomorrow’s weather; how climate on a mountain changes from bottom to top; and how plants and animals provide clues for seasonal changes. Text features: table of contents, captioned photographs, glossary, index. *(Investigation 2: Observing Weather)*

Petersen, Christine. **WIND POWER.** Children’s Press, 2004. 48p. $6.95. ISBN 051621943X. The first section of this text describes how wind occurs in nature as the sun heats the Earth’s surface, how warm air rises and cool air moves to the ground to fill the void; how global winds begin at the equator; how local winds depend on the changes in shape of the land; and how the jet stream pulls air around our planet. The second half of the text gives the history of the windmill and how this centuries old invention can be used to produce energy today. Text features: table of contents, captioned photographs, glossary, index. *(Investigation 1: Exploring Air; Investigation 3: Wind Explorations)*

Richardson, Adele. **THERMOMETERS.** Capstone Press, 2004. 24p. $6.95. ISBN 0736849599. The text provides a first introduction to the history, function, parts, and use of thermometers along with instructions for two activities that demonstrate how a thermometer works. Color photographs illustrate each general use of thermometers; health, cooking, weather. Text features: table of contents, insets, glossary, index. *(Investigation 2: Observing Weather)*

Sherman, Josepha. **GUSTS AND GALES: A BOOK ABOUT WIND.** Picture Window Books, 2004. 24p. $21.26. ISBN 1404800948. This book is a great introduction to weather and its effects on the Earth and people. The book explains how winds are formed, including local and global effects, and how wind might affect things people do like flying kites. Destructive weather events such as hurricanes and tornadoes are mentioned, and providing the names used for wind in different parts of the world is a nice addition. Text features: glossary, index. *(Investigation 3: Wind Explorations)*


Simon, Seymour.  LET’S TRY IT OUT IN THE AIR.  Simon and Schuster, 2001.  32p.  $10.56.  ISBN 0689829183.  This text shows the reader ways that they can observe the presence of air and the pressure it exerts.  Through several activities, children will understand the following concepts:  air moves and can carry objects; air can be captured and used to exert pressure; air can exert pressure upward and reduce the impact of gravity; and, upward pressure increases with surface area of an object and the movement of air beneath it.  (Investigation 1:  Exploring Air)

Simon, Seymour.  THE MOON.  Simon & Schuster, 2003.  32p.  $17.95.  ISBN 0689835639.  This updated edition takes advantage of NASA photography and provides color images of the moon.  The text gives an introduction to the surface features of the moon and the relationship of the moon to Earth.  Questions about whether there is weather, gravity, sound, or light on the moon are answered in the text.  (Investigation 4:  Looking for Change)

Stille, Darlene.  AIR: OUTSIDE, INSIDE, AND ALL AROUND.  Picture Window Books, 2004.  24p.  $16.95.  ISBN 1404802487.  What makes air balloons float in the sky?  What makes your ears “pop” in an elevator?  Readers can find the answers to these questions as well as other fascinating things that air can do.  (Investigation 1:  Exploring Air)

Tomecek, Steve.  MOON.  National Geographic, 2005.  32p.  $16.95.  ISBN 0792251237.  Learn how the moon interacts with the sun, how it appears to change in the sky, and why it shines.  The author compares the surface structure of the moon to that of the Earth; the size of the moon in relationship to the Earth; and shows what astronauts found when they landed on the moon.  The do-it-yourself experiment at the end of the book instructs young scientists how to make craters and helps them to understand more clearly how craters were formed on the moon.  (Investigation 4:  Looking for Change)

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