

Who Measures What in Our Neighborhood?

K-1 Classroom

Measurement Resources

Primary Resources

Experts

- Musician
- Parent who spoke about cars
- Pilot
- Potter
- Scientist
- Seamstress
- State of Illinois food inspector
- Undergraduate science students
- Veterinarian researcher

Hands on materials

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|-----------------------------|---------------------------|
| • Balance scale | • Measuring spoons |
| • Boxes and junk | • Money |
| • Brooder box and heat lamp | • Needles and thread |
| • Calendars | • Paint |
| • Cardboard | • Paper (large and small) |
| • Clay | • Rods |
| • Clocks | • Ruler |
| • Computers | • Sewing machine |
| • Fabric | • Spring scale |
| • Incubator | • Thermometer |
| • Legos | • Trundle wheel |
| • Measuring cups | • Unifix cubs |

Field site visits

- Atmospheric Environment Section of the State Water Survey
- Car parked in parking lot
- Children's Research Center
- Ground Water Section of the State Water Survey
- Illini Credit Union
- Illinois Sheep Farm
- Fire Service Institute

Software

- Inspiration
- Kid Pix
- Kidspiration
- PowerPoint

Secondary Resources

Books and Stories

- Adler, David A, (1999). *How tall, how short, how faraway*. New York: Holiday House.
- Axelrod, A. (1997). *Pigs will be pigs*. Glenview IL: Scott Foresman.
- Bell, J., & Bell, M. (1988). *Everyday mathematics*. Chicago: Everyday Learning Corporation.
- Berenstain S., & Berenstain J. (1973). *The Berenstain bears' nursery tales*. New York: Random House.
- Beskow, E. (1974). Pelle's new clothes. In S. Corrin, & S. Corrin (Eds.) *Stories for under-fives* (pp. 105-107). New York: Puffin Books.
- Branley, Franklyn, (1976). *How little and how much*. New York: Thomas Y. Crowell Company.
- Brett, Jan, (1999). *Gingerbread baby*. New York: Scholastic Inc.
- Burton, J. (1988). *Chester the chick*. New York: Random House.
- Carle, Eric, (1995). *Walter the baker*. New York: Scholastic Inc.
- Cole, J., & Calmenson, S. (1994). *Why did the chicken cross the road? And other riddles old and new*. New York: Scholastic.
- Cosby, B. (1999). *The day I was rich*. New York: Scholastic.
- Davidson, A. (1990). *How big is big: Math rhymes to read together*. Bothell, WA: The Wright group.
- DeRubertis, Barbara, (2000). *LULU's Lemonade*. New York: The Kane Press.
- Dussling, Jennifer, (2000). *The 100 - pound problem*. New York: The Kane Press.
- Flournoy, V. (1985). *The patchwork quilt*. New York: Penguin Books.

- Friedman, A. (1994). *A cloak for the dreamer*. New York: Scholastic.
- Froman R. (1971). *Bigger and smaller*. New York: Crowell Company.
- Frost, M. (1990). *In the chicken coop*. Bothwell, MA: The Wright Group.
- Garelic, M. (1968). *What's inside*. New York: Scholastic.
- Gwynne, F. (1970). *The king who rained*. New York: Simon and Schuster.
- Heine, H. (1983). *The most wonderful egg in the world*. New York : Atheneum
- Heller, R. (1981). *Chickens aren't the only ones*. New York: Putnam.
- Holtzman, C. (1995). *A quarter from the tooth fairy*. New York: Scholastic.
- Hooper, M. (1985). *Seven Eggs*. New York: Harper Collins.
- Hutchins, P. (1968). *Rosie's walk*. New York: Scholastic.
- Kwitz, M., D. (1981). *Little chick's big day*. New York: Harper & Row.
- Leedy, Loreen, (1997). *Measuring penny*. New York: Henry Holt and Company.
- Lesser, C. (1995). *What a wonderful day to be a cow*. New York: Random House.
- Little red hen*. (1985). New York: Scholastic.
- Miniarik, E., H. (1957). *Little Bear*. New York: Scholastic Inc.
- Murphy, Stuart, (1999). *Room for Ripley*. New York: Harper Collins Publishers.
- Murphy, Stuart, (1999). *Supersand castle Saturday*. New York: Harper Collins Publishers.
- Older, J. (2000). *Telling time*. Watertown, MA: Charlesbridge Publishing.
- Pluckrose, H. A. (1995). *Math counts: Length*. USA: Children's Press Edition.
- Polacco, P. (1988). *The keeping quilt*. New York: Simon and Schuster Inc.
- Polacco, P. (1988). *Rechenka's eggs*. New York: Putnam.
- Richards, K. (2000). *It's about time, Max!* New York: The Kane Press.
- Ross, D. (1979). The little small wee tiny man. In S. Corrin, & S. Corrin (Eds.) *Stories for under-fives* (pp. 67-72). New York: Puffin Books.

- Schneider H. & Schneider N. (1946). *How big is big*. New York: Scholastic Inc.
- Schwartz, D. (1989). *If you made a million*. New York: Lothrop Lee & Shepard.
- Selsam, M. (1970). *Egg to chick*. New York: Harper Collins.
- Sendak, M. (1962). *Chicken soup with rice: A book of months*. New York: Scholastic.
- Srivastava, J. J. (1970). *A young math book: Weighing and balancing*. Toronto, Canada: Fitzhenry and Whiteside Limited.
- The gingerbread man*. (1967). New York: Scholastic.
- Thompson, B. (1995). *The magic quilt*. Littleton, MA: Sundance Publishing.
- Thurber, J. (1943). *Many moons*. Orlando, FL: Harcourt Brace & Company.
- Viorst, J. (1978). *Alexander who used to be rich last Sunday*. New York: Atheneum.
- Williams, V. (1984). *A chair for my mother*. Glenview IL: Scott Foresman.

Poems

- Behn, H. (1982). Map. . In *Childcraft: Vol. 1. Poems and rhymes* (p. 222). Chicago: World Book - Childcraft International.
- Eastweek, I. O. (1982). The clock in the hall. In *Childcraft: Vol. 1. Poems and rhymes* (p. 269). Chicago: World Book - Childcraft International.
- Field, R. (1982). The Animal Store. In *Childcraft: Vol. 1. Poems and rhymes* (p. 175). Chicago: World Book - Childcraft International.
- Fisher A. (1968). Weather is full of the nicest sounds. In A. Fisher (Ed.), *Arrow book of poetry* (p. 58). New York: Scholastic.
- Glaubitz, G. (1982). Walking. . In *Childcraft: Vol. 1. Poems and rhymes* (p. 185). Chicago: World Book - Childcraft International.
- Hot-cross buns. (1968). In *The real mother goose* (p. 127). Chicago: Rand McNally & Co.
- Kusin, K. (1982). I woke up this morning. In *Childcraft: Vol. 1. Poems and rhymes* (pp. 146-147). Chicago: World Book - Childcraft International.
- Lesser C. (1988). Inch by inch. In *Flamingo knees* (pp. 36-37). Saint Luis, MO: Oakwood Press.

- Merriam E. (1969). Big little boy. In B., S., D., Regniers, E., Moore, & M., M. White (Eds.), *Poems children will sit still for: A selection for primary graders* (p. 67). New York: Scholastic.
- Merriam E. (1982) Toaster time. In *Childcraft: Vol. 1. Poems and rhymes* (p. 268). Chicago: World Book - Childcraft International.
- Milne, A. A. (1982). The end. In *Childcraft: Vol. 1. Poems and rhymes*. Chicago: World Book - Childcraft International.
- Miss Mary Mack*. Bothell WA: Wright Group Publishing Inc.
- Over in the meadow*. (1995). Bothell, WA: The Wright Group.
- Prelutsky, J. (1990). Last night I dreamed of chickens. In *Something big has been here*. New York: Greenwillow books.
- Silverstein, S. (1974). Early bird. In *Where the sidewalk ends* (p. 30). New York: Harper Collins.
- Silverstein, S. (1974). Fish. In *Where the sidewalk ends* (p. 145). New York: Harper Collins.
- The derby ram. (1968). In *The real mother goose* (p. 64). Chicago: Rand McNally & Co.
- There's a hole in the bucket*. (1995). Bothell, WA: The Wright Group.
- Thompson, D. B. (1982). Map. . In *Childcraft: Vol. 1. Poems and rhymes* (p. 196). Chicago: World Book - Childcraft International.
- Wee Willie Winkle. (1968). In *The real mother goose* (pp. 44-45). Chicago: Rand McNally.

Music

- Chopin, F. (1810-1849). *Waltz in D flat, op. 64, no. 1 "Minute"* (Recorded by Rubinstein, A.), Netherlands: Philips Classics (1998).
- Clay H. *Grandfather's clock*. Sung by Klein, M. (March 2002).
- Grofe F., Donkey's serenade. In *Grand canyon suite* [Performed by Slatkin, F. and The Hollywood Bowl Orchestra, (1997)]. Angel classics.
- Mussorgsky, M. & Ravel, M. Ballet of un-hatched chicks (Recorded by Stokowski, L., New Philharmonia Orchestra [1966]). In *Pictures in Exhibition*. London, England.

Visual Art

- Chardin, J., B., S. (1699-1779). Boy with a top. In A. E. Chase (1962). *Famous paintings: An*

introduction to art (p. 43). New York: Platt & Munk.

Christus, P. (1410-1472). St. Eloy as a goldsmith. In A. E. Chase (1962). *Famous paintings: An introduction to art* (p. 87). New York: Platt & Munk.

Klee, P. (1879-1940). Revolution of the viaduct. In A. E. Chase (1962). *Famous paintings: An introduction to art* (p. 27). New York: Platt & Munk.

Stella, J. (1880-1946). Brooklyn Bridge. In A. E. Chase (1962). *Famous paintings: An introduction to art* (p. 79). New York: Platt & Munk.