



Success in Science

Fabulous Field Trip

Baltimore Museum of Industry

Tuesday through Sunday, 10 a.m. - 4 p.m.

Admission Prices:
Adults \$10
Seniors 60+ \$8
Children 6-18 \$6
Under 6 are FREE

1415 Key Highway,
Baltimore, MD 21230
410.727.4808

From the Office of Science,
Anne Arundel County Public Schools

December 2011

Starting at home, how can we help ALL children achieve in science?

Topics at School this Marking Period:

Rocks, Soil, Water, Changes in the Natural Environment, Weather and Sky **K**

The Sun and Earth, The Sun and Water, Weather and Seasons **1**

Heat and Fuels, Electricity, Natural Resources, Conservation of Natural Resources **2**

Properties of Matter, Changes in Matter from Heating and Cooling, and Magnification **3**

Food, Interaction of Organisms and their Environments, Properties of Matter, and Heat Conduction **4**

Motion, Distance, Speed, Forces, and Heat Transfer **5**



See science everywhere.

Take opportunities to ask "What would happen if ...?" questions or present brain-teasers to encourage children to be inquisitive and seek out answers. Children need to know that science isn't just a subject, but it is a way of understanding the world around us.

Lead discussions on science-related topics. Anytime you are with children is a great time to have discussions about news stories that are science based, like space shuttle missions, severe weather conditions, or new medical breakthroughs.

Encourage children to problem solve.

You might be inclined to fix a problem for your child without challenging him or her to find the solution on their own. Be aware that all children need to be encouraged and exposed to a variety of subjects at a very early age.

Do science together. Children, especially elementary-age children, learn better by investigating and experimenting. Simple investigations done together in the home can reinforce what your child is learning in the classroom.

Become active in your children's formal



Book of the Month

Earth: Feeling the Heat
by Brenda Z. Guiberson

Climate change challenges the survival of organisms from polar bears and frogs to butterflies and pikas. Elegantly illustrated, this elementary level NSTA/CBC Outstanding Science Trade Book for 2011 describes their plight. This

book reveals the devastation that global warming has on these critters in different biomes throughout the world.

The book is ideal for reading aloud to start great discussions. Each page ends by asking "Who can help?" At the end of the book comes the answer: "People can." A world

education by getting to know the teacher and the curriculum. Participate in your child's school science program by locating scientists and others to be guest speakers, or accompany your child on a field trip to a science-related place.

Introduce role models with careers in science. Visit NASA Goddard or other locations that promote great role models for all children. Visit <http://www.hq.nasa.gov/office/hqlibrary/pathfinders/minorities.htm> for a list of books to read together.

Shared with permission from: <http://www.nsta.org/sciencematters/tips.aspx>

map shows the location of each animal described, and a page of things that average citizens of the world can do to help completes the discussion.

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