



Family Fun Activities

Take a Trip to:

The Baltimore Museum of Industry

1415 Key Highway
Inner Harbor South
Baltimore, MD 21230

The Baltimore Museum of Industry (BMI) was founded in 1977 as a project of the Mayor's Office of the City of Baltimore to preserve the City's rapidly disappearing industrial heritage.

The National Air and Space Museum

Independence Ave at 4th Street, SW
Washington, DC 20560

Open Daily from 10:00- 5:30
Except December 25

College Park Aviation Museum

1985 Corporal Frank Scott Drive
College Park, Maryland 20740

Open 10:00-5:00 daily
(except holidays)

Career Connections



Take a few minutes to discuss, with your child, these different career opportunities for people interested in Engineering.

Engineer

A person who uses scientific knowledge to solve practical problems.

Architect

A person who designs buildings and advises in their construction.

Physicist

A scientist who is trained in the science of physics.

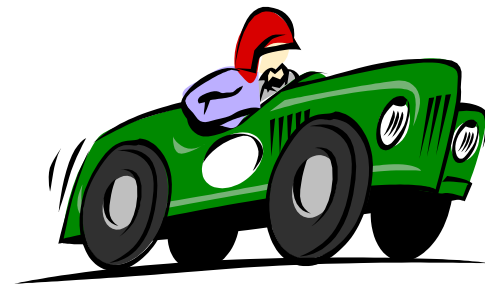
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A Parent's Informational Guide to the Science Unit:

Safe Racer



Grade 3



Safe Racer

Safe Racer is a third grade unit in which students become vehicle designers through a series of activities in which they design and create a competitive racer. This racer, along with its driver Eggbert (an uncooked egg), will be involved in a series of distance and safety tests. Each school will have the chance to select a team racer to compete in the Safe Racer Challenge at the Baltimore County Public Schools Science, Technology, Engineering, and Mathematics Fair. The Maryland Voluntary State Curriculum Indicators addressed in the unit are listed below:

Scientific Inquiry

Access and process information from readings, investigations, and/or oral communications.

Recognize and develop predictions that can be tested in an investigation

Applications of Science

Use scientific knowledge to select and evaluate plans to address science-related problems.

Technology

Design, plan and construct objects

Evaluate and modify designs and products based on information.

History of Science

Recognize that people from ancient times to the present have investigated the world around us, answered questions, and invented things.



Unit Vocabulary

Encourage your children to use the vocabulary listed below when telling you about what they are learning during this science unit.



create: to use skills to make or produce an object or product

design: to come up with a plan to build a product or item



force: a push or pull that makes an object move

gravity: an invisible force that pulls all objects to earth



logo: a name, symbol, or trademark used for easy and definite recognition

modify: to make small changes to improve a created product



research: to collect information about a particular subject

review: the process of looking or thinking over an idea or product



test: a process used to measure the performance of a designed product or item



Books to Read

Take some time to read books about engineering and inventions with your child. Books can be found in the non-fiction section of the library. You can also find books on this topic in the children's section of your school and public library.

First Flight: The Story of the Wright Brothers

By: Caryn Jenner

Into the Air: The Story of the Wright Brothers' First Flight

By: Robert Burleigh

Race to Kitty Hawk

By: Edwina Raffa

Engineering Projects for Young Scientists

Internet Sites



www.iknowthat.com

www.nasm.si.edu/exhibitions/gal209/wrights.htm