



**FAIR HAVEN PUBLIC SCHOOLS  
KNOLLWOOD SCHOOL**

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**SEVENTH GRADE MATH AND PHYSICS NIGHT**

Thursday, May 26, 2011

**7:00-8:30 P.M. IN THE APR**

**PARENTS ARE INVITED TO ATTEND!!**

On May 26, 2011 the seventh grade will participate in *Math and Physics Day* activities. Students will be given a number of tasks to complete including math problems and design - build challenges which will require them to incorporate concepts in motion, forces and energy. Students will be arranged in teams and given the full school day to complete and demonstrate the assigned tasks. For now the specific projects to be assigned on May 26 are a secret!

A second aspect of day is a long term project that has already been assigned. This project involves the construction of a 2-liter bottle rocket. The goal of the project is to build a rocket, starting with a 2 liter soda bottle, that can travel the greatest distance possible using compressed air and water as a propellant. Teams for the bottle rocket project are selected by the students but can be no more than three students. Time has been set aside for rocket design and construction in the classroom but some work may need to be done at home. Some materials needed for the construction and attachment of rocket parts, such as fins and nosecones, will be made available in class. The two liter bottle and any special material required for construction should be provided by the student. The compressed air and rocket launcher will be provided by the school.

To keep the competition fair it is requested that parents provide support only in the procurement of materials and in the use of tools. Please allow students to create and build the rockets on their own.

We are looking for parents with an interest or aptitude in science, math, mechanics or other technical fields who would be willing to assist student design teams through the physics day activities. Your commitment would consist of a pre-activity meeting held before school on the morning of the event and of course, the day itself.

**Parents are invited to attend a demonstration of the ideas and products the design teams produced from 7:00 to 8:30 pm on May 26.**