

The NCCTM Central Region is sponsoring a Mathematics Fair for student projects at North Asheboro Middle School on Saturday, March 31, 2012. Only students attending school in North Carolina are eligible to enter. Projects may be entered in the following categories:

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|---|-----------------------------------|
| Grades K-2 (Individual or Class Projects) | Grades 6-8 (Individual Projects) |
| Grades 3-5 (Individual or Class Projects) | Grades 9-12 (Individual Projects) |

Class projects must involve a majority of the students in that class. Individual projects involve one or two students only. During the judging, each project must be represented by 1 or 2 students *only* whose names appear on the project. Projects must be pre-registered to be accepted for competition, and there is a limit of 9 projects per category per school.

The Math Fair Committee and/or Judges reserve the right to re-categorize entries. They also reserve the right to limit or eliminate the awards presented in a given category, based on quality or quantity of projects submitted.

Some examples of ideas which can be explored include:

- * Original games, puzzles, geometric explorations
- * Concrete or visual models
- * Experiments in estimation, numeration, measurement, and problem-solving
- * Applications of mathematics in navigation, astronomy, economics, photography, music, hobbies, etc.
- * Statistics and Probability
- * Analysis, Trigonometry, Topology, . . .

There are many more original ideas that may be used. Be as creative as you wish.

Judging will be based upon the following criteria:

A. Written documentation which must include:

1. Origin of idea
2. An outline of the development of the project
3. Discussion of mathematical concepts investigated
4. References used including names of resource people

B. Oral presentation which must include:

1. Clear and well organized discussion of mathematical concept presented
2. Response to evaluator's questions

C. Development and demonstration of mathematical concepts in an effective manner

D. Investigations which extend beyond the student's everyday classroom investigations

E. Student creativity

F. Organization of ideas, thoroughness, and clarity

G. Appearance

Project Rating Scale: 0=Below Average, 1=Average, 2=Above Average, 3=Outstanding

Maximum size of exhibit can be no more than one (1) meter in width (side to side), one (1) meter in depth (front to back), and one (1) meter in height (including any piece attached to the top of the exhibit). All projects must be displayed on a project board. All measurements will be made at the widest points. Projects that fail to meet these requirements will not be judged. Projects must be brought to the Math Fair Registration desk between 9:00 and 9:30 a.m. Students must be present when judging begins at 9:45 a.m. and must be available to discuss their project. No adults (other than the judges) may be present during the judging. Activities will be provided for students during the judging.

Each project must be labeled with a 3 x 5 index card (ON THE BACK of the project) with the following information:

- | | |
|-------------------------------|-----------------------------|
| A. Name of person(s) or class | D. Teacher's name |
| B. Course and/or grade level | E. School and school system |
| C. Category of project | F. City and county |

Any special equipment such as a computer, printer, extension cord, power strip, etc. must be supplied by the presenter. After judging, there will be an awards ceremony at approximately 1:30 p.m.

MATH FAIR REGISTRATION FORM

All entries must be postmarked by Friday, March 16th, 2012 by using the registration form below. Please duplicate this form for each project as needed. Please fill out only one form per project. PRINT NAMES LEGIBLY as certificates will be made from these forms!

Return this form to: Melanie Burgess

Southmont Elementary School
 2497 Southmont Drive
 Asheboro, NC 27205
 Phone: (336) 625-1558
 E-Mail: mburgess@randolph.k12.nc.us

Please complete the following information for the student presenting the project. If two students will present the project, please write both students' names and contact information in the columns below. Use only form per project.

	Student 1	Student 2
Name		
Home Address		
City and Zip Code		
Home Phone		
Email Address		
School		
Teacher		
Teacher's Email		
Category Please check one.	<input type="checkbox"/> Grades K-2 (circle one: individual or class project) <input type="checkbox"/> Grades 3-5 (circle one: individual or class project) <input type="checkbox"/> Grades 6-8 <input type="checkbox"/> Grades 9-12	
Will your project require electricity?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

**There will be a \$8.00 nonrefundable registration fee for each student entering a project. Please pay by check.

ATTENTION: A mid-morning snack will be served to the participants, but lunch will not be provided. After the student has been interviewed by the judges, he/she will be released to his/her parent or teacher for lunch. However, projects cannot be removed until after the Awards Ceremony.

_____ # of students attending at \$8.00 each = \$ _____
 (Checks made payable to NCCTM Central Region Math Fair must be enclosed with this form)