NCCTM
Western Region Math Fair
2012

The NCCTM Western Region is sponsoring a Mathematics Fair for student projects on Saturday, March 31, 2012 in the Plemmons Student Union at Appalachian State University in Boone. Directions and address to the student union can be found at the following site: www.appstate.edu. Only students attending school in North Carolina are eligible to enter. Projects may be entered in the following categories:

Grades K-2 (Individual or Class Projects)
Grades 3-5 (Individual or Class Projects)
Grades 6-8 (Individual 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. Projects must be pre-registered to be accepted for competition, and an e-mail confirmation will be sent for each registration received. **There is a limit of 6 projects per category per school.** During the judging, each project must be represented by 1 or 2 students whose names appear on the project.

Bring a self-addressed, stamped, legal-size envelope to the fair if you want the judges' comments sent to you after the math fair. Your child will be given a project number when he/she comes to the competition. Please be sure to write this number on the back of the envelope.

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

Attention: Due to facility restrictions we are no longer allowing glitter on any project.

Any special equipment such as a computer, printer, extension cord, power strip, etc. must be supplied by the presenter.

Some examples of ideas that can be explored include:

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

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 that 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:

- One (1) meter in width (side to side)
- One (1) meter in depth (front to back)
- One and a quarter (1 ¼) meters in height

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 a.m. and 10:00 a.m. Students must be in the appropriate waiting area when judging begins at 10:15 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 have a 3 x 5 index card on the board with the following information:

A. Name of person(s) or class
B. Grade level
C. Teacher's name
D. School and school system

There will be an awards ceremony immediately following the completion of the judging.

MATH FAIR REGISTRATION FORM

All entries must be postmarked by March 2, 2012 by using the registration form below. Please duplicate this form for each project as needed. Please print very clearly. No student substitutions will be permitted. No late registrations will be accepted with absolutely no exceptions. There will be an $8.00 nonrefundable registration fee for each student entering a project.

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.

Number of students for the one project: _____. Each student must pay a fee of $8.00. The total amount for this project is: _____.
(Checks made **payable to NCCTM Western Region Math Fair must be enclosed** with this registration form.)
Complete the following registration form, one form for each project. We have provided space for you to indicate the appropriate information for each student on each project.

Student	Partner
School Name: _____	School Name: _____
School Phone # : _____	School Phone # : _____
Teacher's Name: _____	Teacher's Name: _____
Teacher's Email Address: _____	Teacher's Email Address: _____
Principal's Name: _____	Principal's Name: _____
Principal's Email Address:_____	Principal's Email Address:_____
Student's Name: _____	Student's Name: : _____
Parent's Name: _____	Parent's Name: _____
Parent's Phone #:_____	Parent's Phone #:_____
Parent's Email Address: _____	Parent's Email Address: _____

Title of the project: _____

Please check the category of the project to be entered: ___ Grades K-2 ____ Grades 6-8 ____ Grades 3-5 ____ Grades 9-12

Return this form to Travis Gillespie by March 2, 2012:

Travis Gillespie
Parkway Elementary School
160 Parkway School Drive
Boone, North Carolina 28607

Phone: 828-264-3032
E-Mail: gillespiet@watauga.k12.nc.us

An e-mail confirmation will be sent for each registration received to the principal's email address at each school one week prior to the fair. If you do not receive information about the fair, please contact your school's principal.