

**Please submit form
no later than
February 15, 2010**



**NM MESA, Inc.
2010 West Region Winter Design Competition
Gallup UNM Branch
Saturday, February 20, 2010
Judge's Registration Form**

Yes! Sign me up as a judge/monitor/volunteer for the West Region Winter Design!

Name _____

Mailing Address _____

Work Phone _____ E-Mail _____

Please select your 1st – 3rd choice of events and the grade level you are interested in:

I will judge wherever I am needed

Abstract Reader (needed before competition)

High School Middle School

On-Site Surprise On-Site Science On-Site Math

Prepared Design – Lego Robotics Prepared Design – Wind Energy Challenge

Prepared Design – Roller Coaster Design

Breakfast and Lunch will be provided!

Please Return This Form To:

NM MESA, Inc.
West Region Office
200 College Rd
Gallup UNM Branch
Gallup, NM 87301 or

Questions? Call Shawndean Parker
@ 505-863-9251

FAX: (505) 722-9174 or e-mail sparker@nmmesa.org

See page 2 for event description



West Region Winter Design Competitions

Abstract Reading/Grading

Abstracts (no longer than 250 words) will be provided via e-mail and will include a judging score sheet for each paper.

On-Site Designs (Math, Science, Surprise)

Teams consisting of 2-4 members will demonstrate teamwork and creative problem solving skills by working collaboratively with other team members to design, construct, solve and/or test a given object/device or problem within a specific period of time.

Wind Energy Challenge

The Wind Energy Challenge event involves the transfer of energy from the wind source to the defined tasks. The maximum amount of energy available to complete the tasks will be limited to that provided by the defined commercial fan. Teams will research, design, build, test and compete with a windmill designed to capture and use the available wind energy to complete the tasks.

Lego Robotics

Prior to competition, student teams will have built a robot that they will use for this activity, which gives the students practical experience with a number of concepts in physics, including friction, torque, and center of gravity. It also pushes them to make use of the engineering design process-design, build, test, redesign and retest.

Roller Coaster Design

The purpose of this event is to create and design a model roller coaster that combines speed with safety. Experiment with the required materials to determine the best design for a speedy and safe coaster ride.

Please come Join us as we promote NM MESA as “A Pre-College Program that Works”

Our Mission

Empower and motivate New Mexico's culturally diverse students with Science, Technology, Engineering, and Math (STEM enrichment).

Our Vision

Diverse, well educated, professionals who reach their full potential as leaders through Math, Engineering, Science, and technology Achievement.

“ Building Tomorrow ’ s Mathematicians, Engineers, and Scientists... Today”