

AGENDA

DELEWARE SPEED (SPEED-DE)

Saturday, September 20, 2008

8:00 a.m. – 2:00 p.m.

8:00 a.m.

Introduction and Welcome

Welcome *Someone from DSU, DE-DOE?*
Introduction of Workshop, Facilitators and Goals *Dr. Diandra Leslie-Pelecky*

8:15 a.m.

Where to Pit?

Each car has its own pit stall in which the car is serviced during the race. Your car's owner has asked you to devise a strategy for your team's crew chief to pick the best pit stall possible.

9:00 a.m.

Energy and Safety

How does energy affect speed and safety? What do energy scales tell you about the relative dangers of going fast on the track or in your own car?

9:45 a.m.

Break

10:15 a.m.

Building Barriers: Making Racing Safer

The SAFER (Steel and Foam Energy Reducing) barriers are designed to make collisions as safe as possible. What does it mean to dissipate energy? Can you use your understanding of energy, force and motion to design a wall that protects drivers better?

11:15 a.m.

Energy and Power

How powerful is a NASCAR engine? Does it need to make that much noise to be powerful? How does your car stack up against your favorite driver's car?

11:45 a.m.

Motorsports Careers

Every driver has a 'hero card' that lists the driver's statistics. *Building SPEED* has created hero cards for the people behind the scenes who harness the power of math, science and engineering to make racing faster and safer. Learn more about these inspirational resources that show your students how what they're learning is being applied in NASCAR.

12:00 p.m.

Lunch

1:00 p.m.

The Energy of Sound

You'll never see a crew member in the garage or near the track who isn't wearing earplugs. Figure out what you need to consider when you buy earplugs to use at the track.

1:40 p.m.

Wrap up

Answering questions, wrapping up loose ends and some things to watch for at the race.

2:00 p.m.

Race Time!
