



WITNESS LAWS OF MOTION



OPERATE RADAR GUNS



MEASURE BRAKING DISTANCE



G-FORCE RIDES



VEHICLE SAFETY

SAFE DRIVE EXPO

MOTIVATE AND EDUCATE THE DRIVER'S OF TOMORROW



Safe Drive Training announce the amalgamation of our Physics in Motion Science Program into a new **Safe Drive Expo** aimed at all Year 10 or 11 students at your school. The **Safe Drive Expo** combines a mixture of lectures, audio/visual presentations, hands-on demonstrations and in-car experiences to enhance each student's road safety awareness at the critical learner phase. Unlike other community road safety programs we utilize unique resources and presentation materials developed from our 21 years of novice driver training. The following resources will empower, entertain and educate students:

- ✓ **Driving Simulator**
- ✓ **Fatal Vision Beer Goggles (full set)**
- ✓ **Marijuana Simulation Experience**
- ✓ **Distract-A-Match board game**
- ✓ **DIES walk-the-line floor-mat**
- ✓ **Alco-cups + Standard Drink Pouring Kit**
- ✓ **Vehicles setup for collecting Physics g-force data**

Participants will receive a comprehensive 32 page **Student Handbook** as part of this excursion. This workbook contains 150 questions for students to answer throughout each module of the course and additional homework and a Safe Driving Pledge. **Physics students** have special sections to complete to enhance their learning outcomes. Several on-line videos are also available for teachers to expand on the student's attendance at this program.

This program links to the following Australian Curriculum (v8.3) codes:
 ACELT1641, ACELT1812, ACPPS089, ACPPS091, ACPPS092, ACSSU229, ACSIS200, ACSIS203, ACSIS204, ACMNA234, ACMNA235, ACSIS200, ACSIS203, ACSIS204, ACSPH060, ACSPH063, ACSPH065



SIMULATOR DRIVING SESSION

Students will gather around a state-of-the-art driving simulator and selected students will be asked to drive and demonstrate reckless driving behaviors such as tailgating, speeding, drunk driving (with beer goggles), texting, reaching for an item, wearing Tunnel Vision goggles. A walk-the-line sobriety test with different alcohol impairment goggles will also be setup to maximize interactivity.

PHYSICS IN MOTION

Our motorsport experienced instructors will inform students of the implications of the Laws of Motion on their driving safety. This session will present information related to speed/velocity, acceleration, braking, inertia, momentum, kinetic energy and how these properties impact safe driving. We have performed our own crash testing and filmed other video content to support this session. Links will be provided when the school enrolls.

6 SESSIONS ARE CONDUCTED

BRAKING DISTANCE EXPERIMENTS

Practical demonstrations are performed to demonstrate Braking Distance at various speeds (addressing the Physics in Motion), a comparison of how speed and mass influence braking distance, how ABS brakes work

IMPAIRED DRIVING

This session covers the impairments associated with Distractions (mobile phones, texting, divided attention), Fatigue, Alcohol and Drugs. Unique interactive resources are incorporated to demonstrate these impairments (Distract-A-Match Board game, Fatal Vision Beer Goggles, Marijuana Simulation Experience and Alco-cups + Standard Drink Pouring Kit

CAR & TYRE MAINTENANCE

This session involves practical demonstrations conducted around a vehicle demonstrating: Engine Fluid Checks, Tyre Pressures and Tread checks, Wheel Changing, Jump Starting and much more. This information is verified by a qualified mechanic and will up skill novice drivers and make them job ready.

G-FORCE (VEHICLE SAFETY) RIDES

Students will passenger in our training vehicles to experience acceleration, braking and cornering forces (collecting accelerometer g-force data) to enhance the Physics learning outcomes. The session also shows the difference co-efficient of friction makes to tyre grip and how reaction times influence driver safety. The session also involves a following distance demonstration.



CAR MAINTENANCE



BEER GOGGLES



DRIVING SIMULATOR



REACTION TIME TEST

ADDITIONAL INFORMATION

- Duration:** 1-day (8:35am arrival for 8:50am start – 3:00pm departure time)
Audience: Content and presentation aimed at Year 10 or 11 students
Participants: The expo is structured for 90 – 120 students per day (several schools can combine to enable the program to be conducted), the expo will be rescheduled if low enrolments
Transport: Schools need to arrange transport to the venue
Course Fees: From \$55 to \$88 per person, see EXPO BOOKING FORM for prices and dates
Locations: Mt. Cotton Training Centre (Loganholme) or Willowbank Training Centre (Ipswich)
Regional QLD Mareeba, Townsville, Proserpine, Sarina, Emerald, Rockhampton, Roma, Warwick, Kingaroy,
Northern NSW Grafton, Armidale, Tamworth, Newcastle

RISK ASSESSMENT

This Expo is covered by \$20 million PL insurance, instructors hold CPR/First Aid Qualifications + Blue Card for Youth employment. [Ask us for a copy of our Risk Assessment document.](#)

COMPARE PROGRAMS

Several community organizations offer safe driving programs for youth. These events can feature guest speakers and volunteers discussing subjects such as hazard perception, finance/car insurance, safe partying and spinal awareness. These programs are to be commended but are very different to this Safe Driving Expo in terms of content, training resources, safety protocols and the experience of the instructors. Unfortunately some of these programs rely on volunteers to read "scripts" and as such the instructors can have a limited knowledge of the subject matter (especially the Physics of driving).

Find us on:



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