

A graphic of a vertical traffic light with three circular lenses. The top lens is red and contains a white letter 'S'. The middle lens is yellow and contains a white letter 'D'. The bottom lens is green and contains a white letter 'E'.

# SAFE DRIVE EXPO

**DRIVER SAFETY PROGRAMS**  
TO EDUCATE AND MOTIVATE THE DRIVERS OF TOMORROW



# SIMULATOR SAFE DRIVING EXPO

LOCATION: On-site at your school campus

AGE GROUP: Year 10 or 11 students

GROUP SIZE: 60 students Half Day, 100 students Full Day

8:45am – 9:15am

## Group 1: Safe Driving Session I

24 - 30 students watch our driving training video modules. This session is ideally facilitated by one of your teaching staff. This keeps this program affordable, as one less SDT instructor is required to present this session (instructors notes, the training videos and student questionnaires are provided)

## Group 2A: Driving Simulator

8 - 10 students gather around a state-of-the-art driving simulator. Each student is assigned a "bad driving" technique or risky behaviour and they take turns to drive while demonstrating this dangerous driving. The group experience the consequences and ramifications in the virtual driving environment.

*Requirements: Undercover area with power*

## Group 2B: Alcohol/Drug Impairment Simulation

8 - 10 students learn about alcohol and drug impairment via this training workshop. SDT is the exclusive distributor of Fatal Vision Impairment Goggles and as such a selection of goggles will be supplied for students to experience (through their own eyes) the different levels of alcohol impairment. Ecstasy and Marijuana impairment goggles are also used. *Requirements: this activity is best conducted in the school hall or indoor basketball court and the lines are used for the alcohol impairment "walk the line" sobriety test.*

## Group 2C: Car/Tyre Maintenance Session

8 - 10 students learn about pre-start engine checks and tyre safety checks. Jump starting and an overview of performing a wheel change (flat tyre) are also covered. Each student receives a tyre pressure gauge. *Requirements: An undercover area, with chairs. The SDT vehicle is parked in front of the students and demonstrations are done around this vehicle.*

9:20am – 9:45am

Group 1: Safe Driving Session II

*(this group remains in the classroom and undertakes another session)*

Group 2A/2B/2C: Groups rotate and complete the next session

9:45am – 10:00am Morning tea/bathroom break

10:00am – 10:25am

Group 1: Safe Driving Session III

*(this group remains in the classroom and undertakes another session)*

Group 2A/2B/2C: Groups rotate and complete the next session

10:25am – 10:35am All students move to the next session

Group 1: splits into 3 equal groups of 8 – 10 students

(Driving Simulator, Alcohol/Drug Goggles, Car/Tyre Maintenance)

Group 2A/2B/2C: combine and move to the classroom

10:40am – 11:05am

Group 1A/1B/1C: Complete the first rotation

Group 2: Safe Driving Session I

11:05am – 11:30am

Group 1A/1B/1C: Complete the second rotation

Group 2: Safe Driving Session II

11:35am – 12:00noon

Group 1A/1B/1C: Complete the third rotation

Group 2: Safe Driving Session III

The morning session is completed, students go to lunch.

SDT pickup and leave unless a repeat afternoon session is also booked. If so the morning program repeats until 3:15pm







**WITNESS LAWS OF MOTION**



**OPERATE RADAR GUNS**



**MEASURE BRAKING DISTANCE**



**G-FORCE RIDES**



**VEHICLE SAFETY**

## SAFE DRIVING EXPO: VENUE VERSION

LOCATION: At a suitable venue (see locations map)

AGE GROUP: Year 10 or 11 students

GROUP SIZE: 50 - 80 students attend for a full day

We also offer a **Safe Driving Expo** that is conducted at a driver training venue (see locations map). This allows us to conduct all the session from the **Simulator Safe Driving Expo** plus the following additional sessions:

**G-FORCE (VEHICLE SAFETY) RIDES:** Students will passenger in our 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. If time permits the session will also involve a following distance demonstration.

**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. Students also get to operate radar guns.

Participants receive a comprehensive Student Handbook. This workbook contains 100's of questions for students to answer throughout each module of the course and additional homework plus 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



**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 these Safe Driving Expos 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).





# PHYSICS IN MOTION SIMULATOR SESSION

LOCATION: On-site at your school campus (see location map)

AGE GROUP: Year 10 or 11 Science/Physics students

GROUP SIZE: 44 students Half Day, 88 students Full Day

8:50am – 9:30am

## Group 1: Physics in Motion Classroom Session I

20 - 22 students learn via our Physics in Motion videos. SDT has filmed stunts and experiments to develop this amazing educational content.

**ACCELERATION:** what it is, how its calculated, safety when accelerating

**BRAKING:** how brakes work, kinetic and thermal energy, braking vs changes of speed and mass. Newtonian Laws of Motion

**VEHICLE DYNAMICS:** pitch, roll and yaw and how these forces influence driving safely (vehicle balance, tyre grip)

**VEHICLE SAFETY SYSTEMS:** an in-depth look at safety systems such as ABS brakes, seatbelts, airbags, stability control

**G-FORCE:** what it is, how its calculated, the 100% rule of tyres

**CRASH ANALYSIS:** we have staged our own crash tests and we examine the outcomes, skid marks are also reviewed and students learn about forensic crash investigations.

## Group 2A: Safe Driving Simulator

10 - 11 students gather around a state-of-the-art driving simulator.

Students collect data related to braking distance vs speed and Newton's Laws of Motion. The weather conditions are changed to show how the coefficient of friction influences tyre grip, braking distances and safety.

ABS brakes are turned off for experimental reasons. Reaction time changes vs driver impairments (alcohol and distractions) are simulated

## Group 2B: Motorsport Simulator

10 - 11 students gather around a state-of-the-art motorsport simulator.

Students experience advanced driving techniques and learn how physics relates to tyre wear, tyre temperatures, downforce, vehicle dynamics, cornering forces and how a racing driver uses techniques like apexing, trail braking and left foot braking to improve performance. This session reinforces how correct techniques improve vehicle control and safety.

9:30am – 9:35am Bathroom break

9:35am – 10:15am

Group 1: Physics in Motion Classroom Session II

(this group remains in the classroom and undertakes another session)

Group 2A/2B: Groups rotate and complete the next session

10:15am - 10:35am Morning Tea break

All students move to the next session

Group 1: splits into 2 groups of 10 – 11 students

Group 2A/2B: combine and move to the classroom

10:35am – 11:15am

Group 1A/1B: Complete the first rotation

Group 2: Physics in Motion Classroom Session I

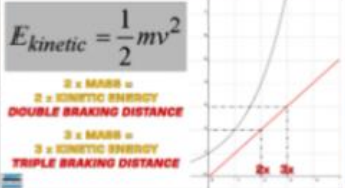
11:20am – 12noon

Group 1A/1B: Complete the second rotation

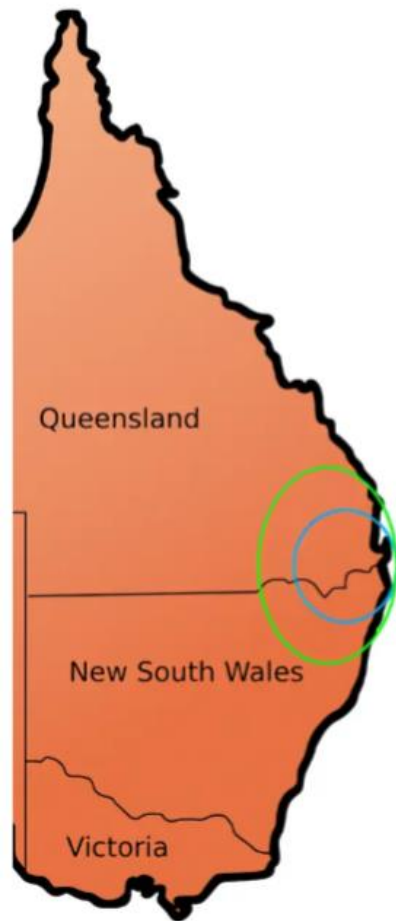
Group 2: Physics in Motion Classroom Session II

The morning session is completed, students go to lunch. SDT packup and leave unless a repeat afternoon session is also booked. If so the morning program repeats for another group of up to 44 students until 3:00pm.

Our instructors race cars in motorsport and in elite simulator racing







## Zone A

Sunshine Coast  
Greater Brisbane  
Ipswich  
Lockyer Valley  
Toowoomba  
Dalby  
Warwick  
Stanthorpe  
Tenterfield  
Gold Coast  
Northern Rivers NSW  
Lismore

## Zone B

Bundaberg  
Maryborough  
Gympie  
Kingaroy  
Roma  
Grafton  
Coffs Harbour  
Armidale

Other locations are only possible as part of a tour of dates visiting multiple schools over a week

## LOCATIONS

Programs that are conducted on-site at schools can be delivered anywhere across Eastern Australia.

**Zone A** are the locations within 2.5 hours from our office. Morning and full day sessions are available.

**Zone B** are the locations within 5 hours from our office. Half day programs are only conducted in the afternoon in these locations. Full day programs require overnight accommodation (included in price)

Programs with **practical vehicle driving** elements are conducted at these venues

- MACKAY: Palmyra Dragstrip
- GLADSTONE: no suitable venue exists
- ROMA: Ironbark Raceway
- EMERALD: Emerald Kart Track
- BRISBANE: Lakeside Driver Training Centre
- IPSWICH: Willowbank Raceway
- WARWICK: Morgan Park Training Centre
- ARMIDALE: Traffic Education Centre
- TAMWORTH: Oakburn Park

SDT no longer operates at the RACQ Mobility Centre as the venue does not meet our safety requirements.

**PRICING:** all prices include GST and are current from January 1, 2025

**SIMULATOR SAFE DRIVING EXPO:** includes 3 instructors, 1 simulator, 1 vehicle and all equipment/handouts

- ZONE A MORNING SESSION: **\$3600** (equates to \$60pp based on 60 participants)
- ZONE A ALL DAY: **\$4600** (equates to \$46pp based on 100 participants)
- ZONE B AFTERNOON SESSION: **\$4290** (equates to \$71.50pp based on 60 participants)
- ZONE B AFTERNOON THEN MORNING: **\$7000** (equates to \$70 pp based on 100 participants)

**SAFE DRIVING EXPO: VENUE VERSION:** The price depends on the venue and location, but typically these programs cost \$6600 - \$9900 per day. This equates to \$66 - \$99 per student. CONTACT US FOR A QUOTE

**PHYSICS IN MOTION SIMULATOR SESSION:** includes 3 instructors, 2 simulators and all equipment/handouts

- ZONE A MORNING SESSION: **\$3630** (equates to \$82.50pp based on 44 participants)
- ZONE A ALL DAY: **\$4840** (equates to \$55pp based on 88 participants)
- ZONE B AFTERNOON SESSION: **\$4598** (equates to \$104.50pp based on 44 participants)
- ZONE B AFTERNOON THEN MORNING: **\$7260** (equates to \$82.50 pp based on 88 participants)

## WHY CHOOSE SDT - SAFE DRIVE TRAINING

- SDT has over 28 years experience in conducting school-based driver training
- Thousands of school groups and over 100,000 students have attended our programs
- A range of vehicles are supplied for young drivers to learn the dynamics and differences between small and large vehicles, front and rear wheel drive and how various vehicle safety systems work
- SDT is the exclusive distributor for **Fatal Vision Alcohol and Drug** simulation goggles
- SDT uses unique (plastic coated) **Skid Tyres** that are fitted to vehicles to demonstrate loss of control situations (not used at all courses)
- SDT manufactures driving simulators and these can be used at courses to demonstrate the dangers of poor decisions and reckless driving (like speeding, tailgating, distractions, alcohol impairment)
- The **eLearning videos** that students watch prior to attendance have amazing educational content not covered in the driver licensing process. Our LMS allows us to monitor progress and responses.
- Employers want well trained and safe drivers and a licence is **not regarded** as suitable driver training



## OTHER PROGRAMS AVAILABLE

Contact SDT to learn more about the other Safe Driving programs and driver training resources available

### ONLINE COURSES: (eLearning with assessment + certification)

- Defensive Driving: *24 modules (5 hrs of content)*
- Safe Operation of 4WD Vehicles: *11 modules (3 hrs of content)*
- Safe Bus Driving: *HSE for school staff that drive buses*
- Trailer Towing and Reversing: *10 modules (2.5 hrs of content)*
- Car & Tyre Maintenance: *6 modules (1.5 hrs of content)*
- Physics in Motion: *6 modules (1.5 hrs of content)*

### PRACTICAL DRIVER TRAINING:

- Junior Driver Training: *first time driving for 12 - 16 year olds*
- Defensive Driving Course: *for Year 11 or 12 students*
- School Driving Camp: *2-day camp conducted in Stanthorpe*
- 4WD Off-road Training: *essential training for agricultural students or those entering the mining, gas or environmental fields*
- Trailer Towing & Reversing: *ideal for industry/trade students*
- Bus Driver Training: *HSE for school staff who drive buses*

### AVAILABLE TO PURCHASE:

- Driving Simulators (*now installed in many High schools*)
- Fatal Vision Alcohol and Drug Impairment Goggles
- Concussion Training Kit with Concussion Simulation Goggles



## WHY DRIVER TRAINING IS SO IMPORTANT!

The driving licence a teenage driver obtains is a basic benchmark of driving ability. It simply assesses the driver is capable of starting, moving and parking a light vehicle. It is not a qualification and is not regarded as suitable workplace training. Employers might require job applicants to hold a licence, but if driving is part of the job, then additional driver training is required. Put simply a licence is like graduating Primary school and there is further secondary or tertiary education a person can and should undertake to increase their skills and knowledge about driving and driving safely.



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