

Driver Training Schedule for Combined Secondary Schools World Solar Challenge Team

1. Both navigators and drivers are to experience driving Kelly to gain full instrumentation knowledge, road feel and comfort of ride, communication, understanding of cramp and dehydration and self massage.
2. Drivers must be able to pace themselves and understand:
 - i. Kelly's width and length (2metres wide X 6metres long) especially for passing other vehicles etc
 - ii. Kelly's turning circle
 - iii. Kelly's limited vision when reclining with the canopy closed
 - iv. Kelly's battery use and efficiency etc
3. **To achieve the above each driver must be classified as competent at each of the following 4 OFF ROAD levels**
 - i. **STEP 1 – Driving with a TAFE 2007 Driver or an EEA accredited driver:**
 1. being able to negotiate a corner and complete gentle S bends
 2. gentle acceleration ensuring the least energy use
 3. being able to brake at a given signal in a straight line quickly
 - ii. **STEP 2 – Driving with a TAFE 2007 Driver or an EEA accredited driver**
 1. Step 1 applies here as well
 2. being able to travel at a safe speed (up to 45kph)
 3. being able enter and pull out of a corner reducing speed where necessary and then gathering speed again
 4. being able to use REGEN while braking
 5. being able to use radio communication while driving and responding appropriately
 - iii. **STEP 3 – Driving with a fellow student as passenger alongside – TAFE and EEA personnel in Radio contact**
 1. STEPS 1 and 2 apply here with the exceptions of TAFE and EEA personnel
 2. At this stage the students have to satisfy a TAFE and EEA personnel that they are competent in all aspects covered – that means both navigators and drivers in a variety of combinations.
 - iv. **STEP 4 – Driving with a fellow student as passenger alongside – TAFE and EEA personnel in Radio contact**
 1. being able to drive in tandem with a lead and trail car – both that are inconstant communication with the occupants of Kelly.
 2. being able to keep the required 100 metres distance behind the lead car at all times
 3. being able to stick to traffic lanes behind the lead car
 4. being able to move out to pass a stationary or slow moving vehicle in conjunction with the lead and trail cars
 5. being able to use the electronic rear vision computer screen to full effect.
 6. being able to assess road and vehicle conditions and act accordingly.
4. **To gain full competency each driver must be classified as competent at each section of the following ON ROAD levels**
 - i. **STEP 5 - Driving with a fellow student as passenger alongside – TAFE and EEA personnel in Radio contact**
 1. full application of all Off Road skills to be applied here
 2. being able to comply with the Road Transport Authority requirements in tandem with Lead and Trail car
 3. being able to travel at a safe distance from the edge of the road without crossing the outer or centre lane marking of the road
 4. being able to travel at speed appropriate to the area while maintaining the 100 metre gap after the lead car.
 5. being able to comply with all sections of the WSC Regulations as specific to solar car entrants and those who ride within.
 6. being able to comply within the team's set of rules and guidelines
 7. driving in a safe manner, first, second, third and at all times

It is anticipated that Off Road Levels will be achieved by the end of July / mid August with the On Road Level Competency being achieved by all by mid September. Skills achieved after that time will be treated as a bonus.