dvancing Professional Rescue - Lesson Guide

SUBJEC Extrication – Space Creation – Vehicle on its Roof – Door Removal – Hinged doors						
T Aim	Essential understanding	Resources				
To remove a vehicle door. Vehicle on its roof	 Application of technique Tools required and safe operatio Impact on the casualty Influence the vehicle has on the technique Tool positioning and the sequence actions 	 Scrap vehicle – means of positioning the vehicle strength of technique Scrap vehicle – means of positioning the vehicle strength of the vehicle of strength of the vehicle strength of the vehicle in the vehicle of strength of the vehicle – means of positioning the vehicle of strength of the vehicle – means of positioning the vehicle of strength of the vehicle – means of positioning the vehicle of strength of the vehicle of the vehicle of strength of the vehicle of the vehicle of strength of the vehicle of strength of the vehicle of the vehicle of the vehicle of the vehicle of strength of the vehicle of the veh				
Instructor Input						
Theory Where can the techniques be applied and what influences the outcome?	Information Gathering How does the vehicle structure impact on the success of the doors removal?	Concept What are the rescue tool requirements/consideration?	Demonstration Describe/demonstrate the sequence of tool operations and actions			
Application	Vehicle Knowledge	Tool Selection	Technique			
 Vehicle on its roof with full access to the door(s) to be removed Space creation for initial access, immediate or emergency plans Will support the process of creating maximum space Beneficial for all emergency service responders Opening of shut-lines Latch or hinge side – Benefits and disadvantage Structural strength of the door and posts. Weak points - door skin Direction of forces applied Impact of the door frame Safety – PPE/Casualty protection Maintaining a safe working area Use of equipment and debris 	 Vehicle Impact Kinematics Try before you pry – check the handles inside and out (if possible), unlock doors, use the key Glass management – Type of glass, how it is fixed, can the window be wound down Type of door – Sliding door, Hinged door, Gulls wing etc Age and make of the vehicle, the influence of structural strength, does the vehicle have a 'B' pillar Vehicle safety devices – location/type 	Rescue tools:	 Vehicle preparation - Glass, Stability, Shut-lines Try before you pry Consider the best approach based on accident damage and the needs of the casualty Latch side Combination tool or spreader Access above the latch – side nearest the vehicle floor Observe metal – try to prevent failure Work the tool – Open, close, relocate Once just above the latch open until failure. Relocate if metal fails around the latch On failure open the door until access to the frame is available Cut a section of the window frame out to allow the door to fully open Spread, unbolt or cut the 			

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dump Time considerations Impact on the casualty – Noise, time, exposure to the environment			hinges Bottom hinge (nearest the ground), check strap and wiring loom, top hinge Remove the door Ensure casualty protection Protect sharp edges
	Delegate un	derstanding	
 Application and sequence of actions Key considerations Points of safety Impact on the casualty Equipment requirements 	 Be able to analyse vehicle structural factors and respond accordingly Plan location of tool operation and purchase points Identify safety devices and mitigate the risk 	 Formulate a sequence of tool operation Apply effective, safe use of tools Recognise limitations Demonstrate a successful outcome 	 Appropriate vehicle preparation Identify and select appropriate tools Demonstrate the safe and correct use of tools Appropriate tool selection and recognise the limitation of tools Correct sequence of tool operation Successful completion of the technique