

Lesson Plan – Tactical Ventilation

Title: Tactical Ventilation (1 Day)		Aim: To provide students with an understanding of the Operational use of Tactical Ventilation Learning Outcomes: Describe and display the operational use & limitations of Tactical Ventilation AM- Theory in Classroom PM – Practical demonstration and scenario showing PPV and PPA		
Date:				
Theme: Tactical Ventilation & P. P. V. Procedures				
Time	Tutor Activity	Student Activity	Resources	Assessment
09.00	▪ Introduction ▪ Identify Training Need – <i>Why?</i> ▪ State Aim ▪ State Learning Outcomes	▪ Listen and answer questions when asked ▪ Ask questions when / where necessary	▪ B. A. Classroom ▪ Laptop & IT ▪ PowerPoint presentation ▪ Course notes for each student	Q & A
10.00-12.30	▪ Explain the rationale behind Tactical Ventilation ▪ Discuss the Fire & Rescue Service term ‘Ventilation’ – ▪ Discuss & explain how to carry out ‘Natural Ventilation’ – ▪ Vertical or Top Ventilation ▪ Horizontal or Cross Ventilation ▪ Explain the terms ‘Offensive & ‘Defensive’ Ventilation ▪ Explain the improper & proper use of wind direction. ▪ Explain the term ‘Forced Ventilation’ using Negative & Positive Pressure ▪ Discuss PPV and PPA ▪ State & discuss the important considerations to be borne in mind when using P. P. V. ▪ Demonstrate & discuss how the P. P. V. fan	▪ Listen and answer questions when asked ▪ Ask questions when / where necessary	▪ B. A. Classroom ▪ Laptop & IT ▪ PowerPoint presentation ▪ Course notes for each student	

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	works. (Animated slide) ▪ Demonstrate & discuss the different Fan placements for different sized openings ▪ Explain the use of P. P. V. in sealed rooms (animated slide) ▪ Explain & discuss ‘Sequential Ventilation’ (animated slide) ▪ Discuss if P. P. V. is not effective ▪ Explain the advantages of P. P. V. ▪ Explain the disadvantages of P. P. V. ▪ Explain the bibliography for further reading.			
14. 00 - 16.30	Show the set up and talk through the practical activities of the student. Explain the stations and positions students will be taking part on a rotation basis. Light fire leaving develop until correct conditions are gained. Take students into building in Breathing apparatus and demonstrate methods of controlling fire with PPV and PPA Instruct teams individual tasks at each position rotating same scenario so all students demonstrate roles required. Carry out debrief confirming understanding	Listen, observe and ask questions where necessary Practically demonstrate PPV and PPA Clean up of equipment and fire kit	Phase 2 building Wood, cribs Smoke Machine BA sets and ancillary Equipment 2 fire appliances, Hose reel, safety jet, Fan. First aid bag	
16.30	End of course admin	End of course admin		