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Company Name	XYZ	Prepared by	
Functional Area	Fireworks Display	Approved by	

				Impact	Init	tial I	Risk		Resi	idual	Risk	
S/N	Activities	Hazard / Hazardous Situation	Who Might be at Risk?	What would be the result of this risk?	L	С	R R	Control Measures	L	С	RR	Action by
1	Fireworks Display	<ul> <li>Injury caused by fireworks Inadequate space</li> <li>Spectators use fireworks</li> <li>Unauthorized use of display fireworks</li> </ul>	Those near ducting outlet Persons doing the work AC Technicians	<ul> <li>Property damage/fire</li> <li>Burns</li> <li>Cuts/abrasions, and other physical injuries</li> </ul>	3	3	M	<ul> <li>50m x 25m space has been allowed for the firing area.</li> <li>A dropping zone for spent fireworks of 100m x 50m is in place in a downwind direction (check the weather conditions)</li> <li>The Crowd or gathering is to be kept back on the opposite side from the dropping zone approximately 30 meters from the firing zone.</li> <li>The area has been checked and is free from obstructions i.e., trees, overhead power cables and well away from buildings.</li> <li>Suitable secure area for firework storage inaccessible to the public.</li> <li>The firing area was supervised once fireworks were set up.</li> <li>Spectators will not be allowed to</li> </ul>	1	3	L	Write here your project engineer/ QHSE Engineer

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							<ul> <li>enter the site with their fireworks, including sparklers. A sign explaining this will be at all entrances.</li> <li>Spent firework cases were gathered, and the site also checked at first light for partly spent fireworks.</li> </ul>				
2	Fireworks Display	<ul> <li>Injury caused by a bonfire</li> <li>Inadequate space Collapse</li> <li>Excessive sparks</li> </ul>	<ul><li>Property damage/fire</li><li>Burns</li></ul>	3	3	M	<ul> <li>Separation maintained between bonfire and spectators</li> <li>Built away from the display area and min of 50 ft from any building, road etc.</li> <li>Undergrowth/rubbish cleared away</li> <li>Keep to a manageable size (2M high, 3M Día)</li> <li>No hazardous materials/refuse used</li> <li>Checked before lighting</li> <li>Always supervised</li> <li>Extinguished after event</li> </ul>	1	3	L	Write here your project engineer/ QHSE Engineer
3	Fireworks Display	<ul> <li>Use of external companies /contractors</li> <li>Poor practice</li> <li>Lack of competency</li> </ul>	<ul> <li>Property         damage/fire</li> <li>Burns</li> <li>Cuts/abrasions,         muscular-skeletal</li> </ul>	4	2	Н	<ul> <li>Vet for competence, operator has good and enough experience with fireworks.</li> <li>Risk assessments were provided.</li> <li>Clearly defined responsibilities for the operator and</li> </ul>	2	1	L	Write here your project engineer/ QHSE Engineer

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			and other physical injuries				<ul> <li>[Client/contractor/sub-contractor] (in event of an emergency)</li> <li>Appropriate public liability insurance in place (min £5m public liability). The insurer contacted us to ensure adequate coverage and that any special conditions are met.</li> </ul>				
4	Fireworks Display	Adverse weather	<ul> <li>Property damage/fire</li> <li>Burns</li> <li>Cuts/abrasions, muscular-skeletal and other physical injuries</li> </ul>	4	2	н	<ul> <li>Test launch of small fireworks to gauge the effect</li> <li>Increase separation from fireworks and bonfires and relocate safety lines/barriers</li> <li>If safe separation cannot be ensured delay/cancel the display</li> </ul>	3	1	L	
5	Fireworks Display	<ul><li>Fire Ignition of premises</li><li>Small fires</li></ul>	<ul><li>Property damage/fire</li><li>Burns</li></ul>	3	3	н	<ul> <li>Adequate separation from buildings (see above)</li> <li>Adequate water, sand buckets etc.</li> <li>Installed and positioned in proper places to allow quick access</li> <li>Review main fire risk assessment</li> <li>Agreed emergency procedure in place and adequate marshals to control the crowd (see below)</li> <li>The local authority, Police and Fire Brigade have been informed.</li> </ul>	2	1	L	Write here your project engineer/ QHSE Engineer

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6 Display Agreed emergency procedures in 2 1 L project	6		<ul> <li>Hindered/unsafe access/egress</li> <li>Cuts/abrasions, muscular-skeletal injuries</li> </ul>	<ul> <li>Marshals are in place and responsible for crowd control. (Identifiable &amp; recognized by wearing fluorescent jackets)</li> <li>Agreed emergency procedures in place.</li> <li>Entrances and exits are signposted, well-lit, and kept free from obstructions.</li> <li>PA/loudspeaker/megaphone used to communicate with the crowd.</li> <li>Walkie-talkies are used by marshals and organizers.</li> <li>Spectators will not be allowed into the display area and signage</li> </ul>
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							<ul> <li>Search for proper advice from the police, if required or necessary, for crowd control.</li> <li>Barriers and adequate supervision to prevent unauthorized use and control access and egress</li> </ul>	
7	Fireworks Display	Insufficient and/or unsuitable first aid cover	Accident/injury, delayed assistance in emergency	4	2	Н	• Telephones available in 2 1 L proje	here your ct engineer/ Engineer
8	Fireworks Display	Surrounding areas /Neighbors		3	3	Н	The neighbours have been informed of the proposed display by a letter from the head teacher/governors  teacher/governors  teacher/governors	
9	Fireworks Display	Security Unauthorized access Inadvertent access	Malicious damage / theft from school	2	4	н	<ul> <li>Areas other than those needed for the event are accessible only to authorized persons.</li> <li>Buildings, apart from essential areas locked. This is checked before and after the display.</li> <li>Clearly defined designated access routes</li> </ul>	

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							<ul> <li>Apply proper protection systems (LOCKS) for the facility or building in areas that are not in use.</li> <li>Install proper poster/ warning signs and or mark areas as out of restraint.</li> <li>Adequate supervision</li> </ul>				
10	Fireworks Display	Inadequate welfare facilities		2	4	Н	<ul><li>[facility/site's] toilets are used.</li><li>Adequate supervision</li></ul>	1	3	L	Write here your project engineer/ QHSE Engineer
11	Fireworks Display	Vehicular access Ineffective pedestrian-vehicle segregation	Cuts/abrasions, muscular-skeletal a other physical injur Broken bones Significant head / multiple injuries		4	Н	<ul> <li>Restricted access, visitors advised accordingly. (Gates shut/managed by staff)</li> <li>Vehicle movements restricted</li> <li>Pedestrian walkways maintained</li> <li>Clear route maintained for emergency services</li> <li>Assigned vehicle/car park well away from the display area and dropping zone.</li> <li>Vehicle/car park signposted and attendants or contract security personnel in place.</li> </ul>	2	1	l	Write here your project engineer/ QHSE Engineer
12	Fireworks Display	the surface of the field / internal areas Slips, Trips and Falls	Cuts/abrasions, muscular-skeletal a other physical injur		4	М	<ul> <li>Make sure that all proper and sufficient arrangements are in place for clearing up and safely disposing of any litter left after</li> </ul>	2	1	L	Write here your project engineer/ QHSE Engineer

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						<ul> <li>the event fire displaying event.</li> <li>Make proper housekeeping and disposal of the litter or left out.</li> <li>Regular premises inspections.</li> <li>Adequate external lighting is available</li> </ul>		
Fireworks Display	Supplying Food and Drink Poor standards of hygiene Physical contamination Incorrect storage of food Poor temperature control	Salmonella Listeria Allergies Anaphylaxis Scalds from urns and kettles drinks	2	4	M	Follow the advice given in 'Food Hygiene advice for teachers, parents, pupils, and classroom assist ants'  Personal hygiene  Prohibition or Exclusion for food handlers or food caretakers following illness (approx. 48hrs).  Tie back long hair.  Make sure that all the food handler Staff have sanitized their hands properly before handling or serving food and after visits to the toilet/washrooms etc.  Make sure that enough warm water, soap, and towels (disposable) are easily available.  Cuts etc. are covered with waterproof adhesive dressings  Transport / Storage  Food that requires refrigeration must not be supplied unless		Write here your project engineer/ QHSE Engineer

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			[site/facility]an chilled state ex Don't store buf fillings etc. in the shortest time. Keep food cover possible outdoned a parents are end transport food containers / co Food from reputation of the site/facility must not accept anywhere they about the hygical or storage before [site/facility] so  Food Handling Minimize hand foods, use tools scoop etc.) when handle food rate thigh-risk/raw facept apart Limit preparation	rets, sandwich he fridge for the red wherever ors. couraged to in sealable vered. utable suppliers y administration] of food from are suspicious ene in preparation are arrival at the chool ling of ready-to-eat s (cutlery, tongs ere possible to cher than hands. oods are always	

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			Ensure food is a signed to preve anaphylaxis     Ensure urns and on firm-level su overfilled.  BBQ     Frozen food probefore cooking     Meat is kept in until needed     Small portions of thoroughly     Access to hand antiseptic wipes     Keep cooked for	sserts containing of the fridge for the possible.  appropriately not allergies and discrete sited arfaces, not sperly thawed a cool box/fridge cooked, evenly / washing facilities is	

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## **OSH Risk Matrix**

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Probability	Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Catastrophic (5)			
Rare (1)	1	2	3	4	5			
Possible (2)	2	4	6	8	10			
Likely (3)	3	6	9	12	15			
Often (4)	4	8	12	16	20			
Frequent/Almost Certain (5)	5	10	15	20	25			
15 - 25 Extreme Risk Activity or Industry Should Not Proceed in Currer								

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8 - 12	High Risk	Activity or Industry should be modified to include remedial planning and action and be subject to detailed OSH Assessment			
4 - 6	Moderate Risk	Activity or industry can operate subject to management & Modification			
1 - 3	Low Risk	isk No Action is Required Unless Escalation of Risk is Possible			