



## Risk Assessment – Quarry

Produced By:	N Senior	Date of Issue:	11/2/19	Review Date:	1/9/24
--------------	----------	----------------	---------	--------------	--------

### Operating Notes:

- Supervision ratio is 1 instructor to 1 class plus one additional instructor nearby. There is no requirement for an additional adult.
- Instructor to be trained to in-house syllabus. Refresher training as directed by session observations. Our safety procedures have been made in conjunction with quarry management.

**Risk – Benefit Statement:** They will benefit by seeing first hand how natural resources are extracted for profit. This also introduces pupils to the idea that different workplaces need different levels of safety practice. They also are made aware that working quarries are dangerous places where they must not go unless supervised by professionals.

Hazard Description and activities giving rise to risk	Who may be harmed	Control Measures	Risk Rating
Slips, trips, falls. Public & dogs <b>Walking through the reserve to and from the quarry</b>	Participants	<ul style="list-style-type: none"> <li>• Instructor leads the way, pupils walk behind, with member of staff at end of line</li> <li>• Pupils told not to talk to public</li> <li>• Pupils told not to stroke dogs, we stand still &amp; wait for owner to put dog on lead</li> <li>• Pupils warned of hazards such as uneven ground, steep hills, brambles, roots and overhanging branches</li> </ul>	low
Accident involving machinery or heavy vehicles <b>Entering the quarry via the haul</b>	All	<ul style="list-style-type: none"> <li>• The Quarry and drivers are fully informed of our visit before hand</li> <li>• Everyone will be wearing high visibility tabards, hard hats and safety goggles provided by the company</li> </ul>	medium

Risk Matrix	Slightly Harmful	Harmful	Extremely Harmful
Unlikely	Low	Low	Medium
Likely	Low	Medium	High
Highly likely	Medium	High	High



<p><b>road (private track)</b> <b>Heavy machinery and vehicles at quarry</b></p>	<ul style="list-style-type: none"> <li>• The haul road is used by sand lorries and heavy plant machinery going to the working sand quarry. Instructors will stop pupils at a safe distance before the road. Listen and look for vehicles and escort pupils along the track. The class will only enter if it is completely clear of traffic.</li> <li>• Instructors will use the safe crossing places to enter the quarry</li> <li>• Pupils will be required to listen and follow instructions carefully, e.g. stand still in this area, walk in single file</li> <li>• It will not be safe to proceed if a pupil does not comply with instructions therefore the pupil will be excluded from the activity</li> <li>• Quarrying will cease for the duration of the visit</li> </ul>
<p>Sand in eyes <b>Visiting the working quarry</b></p>	<p>All</p> <ul style="list-style-type: none"> <li>• Everybody will be wearing safety goggles</li> <li>• The centre will provide an alternative activity in very dry windy conditions</li> <li>• Sterile water should be carried in first aid kits</li> </ul>
<p>Sand slide, steep drops <b>Piles of sand with unstable sides</b> <b>Steep extraction areas</b></p>	<ul style="list-style-type: none"> <li>• Pupils will be told where to stand and walk</li> <li>• Pupils must not go to edge of the extraction site, close to machinery or climb the sand</li> </ul>
<p><b>First Aid emergencies</b></p>	<ul style="list-style-type: none"> <li>• Take first aid kit</li> <li>• Take radio</li> </ul>
<p><b>Weather Conditions</b></p>	<ul style="list-style-type: none"> <li>• The lead instructor will review the risk assessment in view of the weather on the day.</li> <li>• The instructor will amend activity if ongoing changing weather conditions effect risks</li> </ul>

Risk Matrix	Slightly Harmful	Harmful	Extremely Harmful
Unlikely	Low	Low	Medium
Likely	Low	Medium	High
Highly likely	Medium	High	High