

National Stone Centre Risk Assessment for NSC School Activities

Date of Assessment : 17.04.2008 (AB-J, JBC) Reviewed 09.12.2014 (GFS-S) Revised 10.01.2018 (JBC)

Supervision of all students on site is the responsibility of the students' staff and carers at all times.

Staff and students will not misuse/interfere with anything provided in the interests of Health and Safety.

All groups will receive an Induction and Health and Safety talk before taking part in any National Stone Centre activities.

Some sections of the site are OFF LIMITS to all students and staff; these include all fenced-off areas, quarry faces at ground level and the top of quarry faces. Please keep to designated site trails.

A list of activities with their respective ref numbers can be found after the Risk Assessment chart.

Ref	Hazard	Affecting	Risk Description	Consequence	Risk Rank	Controls	Residual Risk
1	Uneven, rough ground underfoot	Students, carers and NSC staff	Tripping or slipping	Bruise, abrasion or twist - Minor Injury	4 x 2 = 8	Verbal warning given at induction	3x2 = 6
2	Loose rock/boulders on ground	Students, carers and NSC staff	Tripping	Severe bruise/abrasions	3 x 3 = 9	Verbal warning given at Induction Inc. not walking backwards	x3 = 6
3	Mine shafts	Students, carers and NSC staff	Falling into shaft	Major or fatal injury	2 x 5 = 10	Known shaft have been capped, observe Health and Safety code – issued to visiting staff prior to visit.	1x5 = 5
4	Quarry faces	Students, carers and NSC staff	Loose/falling rocks	Minor or fatal injury	2 x 5 = 10	Verbal warning given at induction, worst affected quarry faces fenced off	1x5 = 5
5	Water in gem panning pond	Young Children	Drowning of very small children	Fatal	2 x 5 = 10	Water depth 150-200mm Warning sign to carers of small children	1x5 = 5
6	Water in gem panning pond	Students, carers	Water born infection	Hospitalisation	3 x 4 = 12	Water changed every other day using fresh tap water, hand washing recommended after activity, protective gloves for dermatological	1x4 = 4

7	Gem stones	Students	Choking/ swallowing of gems	Minor injury	3 x 2 = 6	Verbal warning given before activity – keep gems away from mouth	2x2 = 4
8	Plaster of Paris	Students, carers and NSC staff	Inhalation of Plaster of Paris powder	Breathing problems	3 x 3 = 9	Volunteers instruct on careful use of Plaster of Paris	2 x 3 = 6
9	Plaster of Paris	Students, carers and NSC staff	Allergic reaction to Plaster of Paris	Breathing reaction	2 x 2 = 4	Issue face mask to allergy sufferers	2 x 1 = 2
10	Rock and Mineral samples	Students, carers and NSC staff	Infection from contaminated samples	Upset stomach	2 x 2 = 4	Hand washing recommended after activity, keep hands away from face.	1 x 2 = 2
11	Soil Samples	Students, carers and NSC staff	Infection from contaminated samples	Upset stomach	2 x 2 = 4	Hand washing recommended after activity, keep hands away from face.	1 x 2 = 2
12	Small pieces of crayon	Young students	Chocking or swallowing	Major injury	3 x 2 = 9	Staff to remove small pieces of crayon from pencil box	2 x 2 = 4
13	Exposure to weather	Students, carers and NSC staff	Overexposure to hot or cold weather	Minor injury/illness	3 x 2 = 6	Safety note in information pack advises on appropriate clothing	2 x 2 = 4

Risk Ranking:

Likelihood x

1. Incredible
2. Very unlikely
3. Unlikely
4. Likely
5. Certain

Consequence = Risk

1. No injury
2. Minor injury (eg. small bruise/abrasion/cut)
3. Significant injury (eg. large bruise/abrasion/cut, broken finger/toe)
4. Major injury (eg. broken limb, loss of eye, hospitalisation)
5. Fatal injury

Risk score of 15 to 25 = Unacceptable
 8 to 12 = Reduce as low as possible
 1 to 6 = Broadly acceptable

E.G. Unlikely major injury – 3 x 4 = 12 i.e. Risk factor is 12, therefore reduce the risk as low as possible.

School activities and the relevant Risk Assessment Ref numbers (from chart above) –

Activities	Ref
Guided Trail	1, 2, 3, 4, 11, 13
Exhibition	12
Gem Panning	5, 6, 7, 13
Fossil Casting	8, 9
Rocks & Minerals	10
Soils	11
'Treasure in the Rocks'	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

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Geoff Selby-Sly 07584121375 (in emergency)

Wirksworth Medical Centre – Hannage Brook, Wirksworth Phone No. 01629 822434

Nearest Hospital (minor A&E) – Whitworth Hospital, Darley Dale (on A6) Phone No. 01629 580211