

# The Needles Group Information & Safety Pack



N8019/R4.0

28<sup>th</sup> December 2017

The Needles, Alum Bay, Isle of Wight, PO39 0JD

Tel: 01983 752401 Fax: 01983 755260

E-mail: [info@theneedles.co.uk](mailto:info@theneedles.co.uk)

Website: [www.theneedles.co.uk](http://www.theneedles.co.uk)

A division of Heritage Attractions Limited part of the Heritage Great Britain PLC Group  
Registered Office: Suite 37, The Colonnades, Albert Dock, Liverpool L3 4AA

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## Introduction

### Inside this pack you will find:

- Information on the Attractions available at The Needles Landmark Attraction and how they fit in within the curriculum.
- Written instructions for your visit
- Contact Information
- Risk Assessments

***Please take the time to read this information it is designed to help make your visit a safe and enjoyable one.***

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## Welcome

Welcome to The Needles Landmark Attraction– The Isle of Wight's most visited tourist attraction. Located at the most westerly tip of the Isle of Wight, The Needles is famous for the three chalk stacks called The Needles and the lighthouse which was manned until 1994. Also home to Alum Bay's, world renowned multicoloured sand cliffs. Set in heritage coastline, offering a range of attractions for all, The Needles has a spectacular chairlift which carries people to the beach and provides marvellous views of the Islands famous landmark and the naturally coloured sand cliffs.

On the beach there is the opportunity to take a boat trip for a closer look at the dramatic rocks and lighthouse. Whilst on the boat this provides an alternative and complete view of the unique sand cliffs. Back at the cliff top, visit the sand shop and create your own unique sand souvenir. At Alum Bay Glass you can watch skilled glassmakers making beautiful glassware and for those with a sweet tooth, master sweet makers demonstrate the art of traditional sweet making at the Isle of Wight Sweet Manufactory.

Height and age restrictions apply on certain attractions. The Needles has full catering and retail facilities.

With many activities meeting the key stage education criteria a visit to The Needles is not only fun but educational too.

## Your Safety

We endeavour to provide a safe and healthy environment for all visitors to our site as far as is reasonably practicable, and to ensure that the work of our staff and contractors does not in any way jeopardise the health and safety of visitors. The responsibility for the safety of visitors should be seen as one that is shared between The Needles and the individual visitor.

The Needles takes reasonable measures to minimise risks and you can help us ensure your own safety by observing all notices and signs relating to this subject during your visit and by following any instructions given by our staff.

Please also ensure that children are properly supervised at all times and wear appropriate clothing and footwear.

**Personal collection** of sand and/or climbing on the cliffs is strictly prohibited on safety grounds, please pay attention to the safety notice(s) displayed on the beach and surrounding area. When visiting the beach / cliff area please take note of the weather forecasts, conditions and tides by being properly equipped for the weather.

### Geological Surveys

Special terms and conditions apply to surveys / training in this area. Please enquire if this applies to your group.

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## Brief History

The Needles, Alum Bay and surrounding area have a long and varied history. There are many famous people in history who have been inspired and influenced by The Needles and surrounding area of the West Wight.

**The Needles:-** Since Victorian times visitors have been attracted to Alum Bay to marvel at its geological wonders. At the time access to the beach was via a path through the Chine. Now visitors like to take the chairlift for an exhilarating ride affording spectacular views of the coloured cliffs, The Needles Rocks and Lighthouse.

By 1830 Alum Bay was established as an essential locality to visit during a holiday to the Island. The journey across the island to its relatively wild western extremity must have been long and uncomfortable. The main overnight accommodation for visitors staying at Alum Bay was a hotel situated about three quarters of a mile inland. This earliest hotel known has 'The Needles Hotel' and 'Groves Hotel' which later become a guest house and was renamed Alum bay House in around 1894 this is now a private residence. In 1860 a new hotel named 'The Royal' (later 'The Royal Needles Hotel') was built on the cliff top overlooking Alum Bay and The Needles rocks. This building was destroyed by fire in 1909.

In 1873 a pier was built in order to accommodate the many steamers now bring growing numbers of people from around the south coast and the island. The pier unfortunately collapse in 1942 leaving little sign today.

**Robert Hooke:-** was born in 1635 in Freshwater. In 1660, Hooke discovered the law of elasticity which bears his name and led to the development of the balance spring or hairspring, which for the first time enabled a portable timepiece – a watch – to keep time with reasonable accuracy.

**Alfred Lord Tennyson:-** became a resident of the area in 1853, when he and his family began renting Farringford House (situated 2.5 miles away). A compulsive walker, he would climb daily onto High Down (later given the name Tennyson Down), where two of his most famous works were penned (The Charge of the Light Brigade and Enoch Arden). Tennyson had many famous and influential visitors at Farringford, including Prince Albert, Garibaldi and Julie Margaret Cameron.

**Julie Margaret Cameron:-** The Camerons first rented lodgings in Freshwater in 1857, and then, in 1860, bought two houses and knocked them together to form Dimbola lodge (located three miles away @ Freshwater Bay). It was there that Julia Margaret learnt photography.

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**The Palmerston Forts:-** are a group of forts and associated structures built during the Victorian period. The name comes from their association with Lord Palmerston, who was Prime Minister at the time and promoted the idea.

The structures were built as a response to a perceived threat of a French invasion. The works were also known as Palmerston's Follies, and by the time they were completed, in 1870 the threat (if it had ever existed) had passed.

The defences on the Isle of Wight were built to protect the approaches to the Solent, Southampton and Portsmouth. They consist of three separate groups, those at the western end of the island, those at the eastern end, and four built in the Solent. There were ten Forts/Follies scattered around the West Wight of which three were located in and around The Needles ; - The Needles Old and New Battery and Hatherwood Battery. All of these remain open to the public, however whilst both Needles Batteries are in good state of repair and virtually as they were intended, Hatherwood is just a collection of ruins over looking the north side of Alum Bay.

**Guglielmo Marconi:-** The Marconi Company built a small wireless transmitting station here in 1897 at the site of the then hotel. Experimental transmissions gradually increasing in distance began with a message being sent to a tug in the bay progressing to steamers some forty miles away. It was from here in 1898 that the very first commercial Marconigram was sent to Osborne house, the home of the then Queen Victoria. And so the forerunner of our mobile phone was born!

**Black Knight Rocket testing:-** between the years of 1950 and 1960 a secret rocket testing facility was situated just above the old Battery over looking Alum Bay.

The remains of the High Down test site are a rare example of a 1950s British rocket test facility, built at a time when the country was amongst a handful of nations at the forefront of rocket and missile technology.

The site is now under the ownership of the National Trust, who also own the neighbouring Needles old Battery.

#### **Curriculum matches & Key stage levels**

English – Reading - (Comprehension) KS2L /U & KS3

English – Writing - (Composition) KS2L/U & KS3

Geography – Human & Physical - (Human Geography) KS2U/ KS3

History – Local History (Changes in the past) KS2L /U & KS3

Personal, Social, Health & Economic Education – Health & wellbeing (staying safe)

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# Contact Information

## BOOKINGS

All bookings for Alum Bay Glass and the Sweet Manufactory should be made via our main office by telephoning

# 01983 752401

*Note: Pre-Booking is not required for the Sand Shop and Chairlift.*

Address: The Needles Landmark Attraction, Alum Bay, Isle of Wight. PO39 0JD

Tel: 01983 752401 Fax: 01983 755260

e-mail: [info@theneedles.co.uk](mailto:info@theneedles.co.uk)

web: [www.theneedles.co.uk](http://www.theneedles.co.uk)

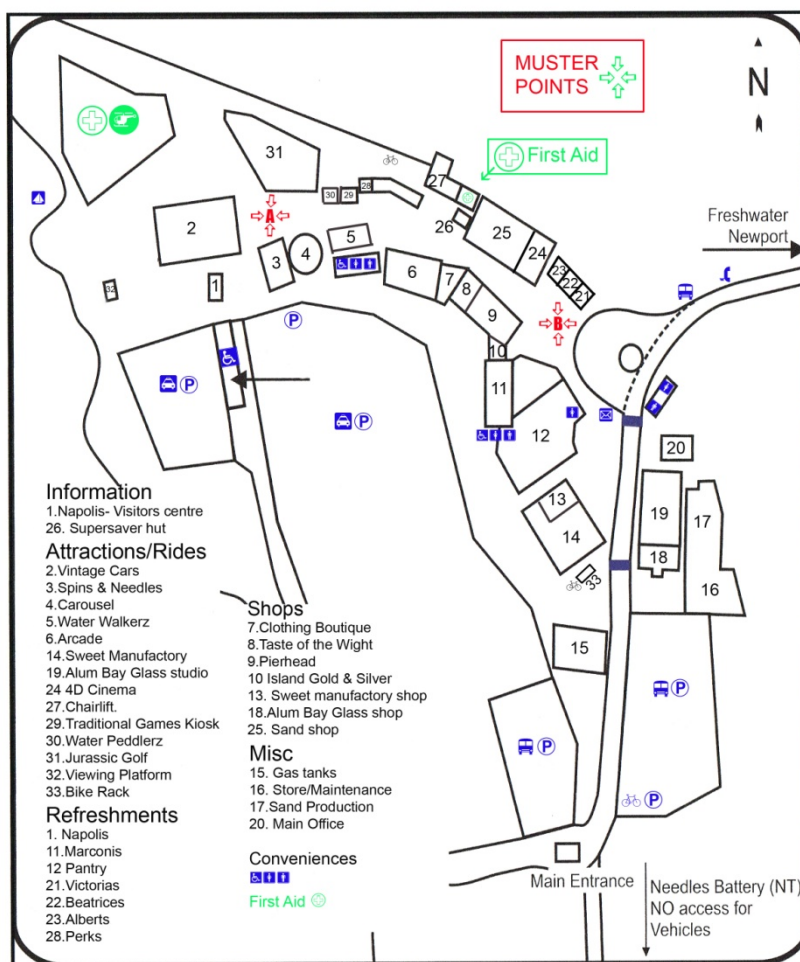
## Company Information:

The Needles Landmark Attraction is a division of Heritage Attractions Limited part of the Heritage Great Britain PLC Group.

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# Site Plan & Muster Points



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## Site Prices & Information

Attractions Prices	Adult	Supersaver Tokens	Child	Supersaver Tokens
Chairlift One Way	£3.00	3	£3.00	3
Chairlift Return	£6.00	6	£6.00	6
Chairlift School Party Return 25+	£4.50	n/a	£4.50	n/a
4D Cinema	£4.00	4	£4.00	4
Water Walkers	£4.00	4	£4.00	4
Jurassic Golf	£4.00	4	£4.00	4
Carousel	£3.00	3	£3.00	3
Vintage Cars	£3.00	3	£3.00	3
Tea Cup Ride- Spins and Needles	£3.00	3	£3.00	3
Alum Bay Glass *	£2.00	2	£2.00	2
Sweet Manufactory *	£2.00	2	£2.00	2
Games Kiosks (per game)	£2.00	2	£2.00	2
<b>SUPERSAVER TICKET BOOK OF 12</b>	<b>£9.00</b>			
Savings	25%		25%	

**Chairlift** - Safety Regulations apply to the use of the Chairlift see page 13.  
The Supersaver tickets can be used on any ride and each ticket is equivalent to £1.

**Please Note:** All prices shown on this page are accurate at time of publication.

**\* 2018 prices for Parties of 25+ shall remain @ £1 per person, all persons to pay as 50% discounted.**

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## 4D CINEMA



### Family cinema that brings you an extra dimension in thrills!

This family theatre attraction, which shows short films in 4D, is the only one of its kind on the Isle of Wight. Imagine being drawn into an exciting world where everything you see is in 3D, everything you hear is in powerful surround sound and the 4th dimension lets you feel the action as it happens on screen.

Join us for the ultimate 4D Cinema experience and prepare for fun and surprises in our £300k special effects theatre as the motion-simulator floor jiggles and shifts under you, with wind spray and bubbles blasting you.

With 4D cinema you don't just watch a movie – you feel like you're right there in the middle of the story. The Lost World 4D takes you into a whole new world of adventure, forty million years in the making. Fierce Raptors, flying Pterodactyls, giant Triceratops and Stegosaurus, and the mighty T-Rex all roam this hostile world. Join Bob and his unlikely rescuer, Professor Lizzie, as they outrun these terrifying predators. Take a wild jeep ride through dense tropical rainforest and soar above this forgotten island in the flight of your life. "The Lost World" is a comic, fast-paced, entertaining and immersive adventure

The cinema consists of 36 standing spaces and 1 wheelchair space. *Age Restrictions apply:- For the use of children four years and above, under 8's must be accompanied by an adult*





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# Alum Bay Glass Making Studio & Shop



Welcome to one of the longest established glass making studios in the country, we've been making fine handmade quality glass since 1972 and are the oldest functioning glass manufacturers on the Isle of Wight.

Come and watch us making our range of handmade glass from Perfume Bottles, to functional glassware. Be amazed whilst watching the glassmaking skills and listen to our live informative commentary whilst the shapes are created. Live talks and demonstrations are regularly available through the main season but are subject to change at short notice. Group bookings are welcomed but please phone well in advance to ensure a place.



Group Leaders MUST report to Alum Bay Glass Studio reception before entering the studio with their party, this is to enable us to assess your needs and make your visit an enjoyable experience. School Party timekeeping is important please book in 10 minutes prior to allocated time.



Please note that although the Studio Gallery can hold 110 however for comfortable viewing we recommend that individual groups should not exceed 70 persons. Whilst waiting for entry to the studio we ask that your party waits orderly leaving room for other guests to pass.

The Alum Bay Glass Making Studio uses a number of furnaces in the production of glass; subsequently temperatures in the studio can reach high levels. Visitors are advised to remove unnecessary outer clothing whilst viewing the demonstrations.

For safety reasons do not allow your students to lean or climb the railings in the glass-making Studio and we do not permit eating, drinking whilst on the premises.

## Curriculum matches & Key stage levels

Science – Chemistry - (Everyday materials) KS1    Science–Chemistry-(States of matter) KS2L

Science – Chemistry - (Properties & changes of Materials) KS2U

Science – Chemistry - (Physical changes: of Energy in matter) KS3

Science – Chemistry - (States of matter) KS2L

Science – Chemistry - (Atoms, Elements, and Compounds) KS3

## Group Behaviour:

Because of the nature of the goods in the shop please ensure that the members of your party carefully carry their backpacks and ensure that children are supervised at ALL times during their visit both to the studio and shop.

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## Isle of Wight Sweet Manufactory

### A visit to our Sweetmaking.....



The Isle of Wight Sweet Manufactory is fully stocked with a wide range of “Island Maid” sweets, from Hard Boiled Humbugs to “melt in the mouth” mints. We also stock a delicious range of Pick ‘n Mix to suit all ages.

All sweets produced on site are made of the finest ingredients for the best quality, and only contain natural flavours and colours.

A visit to our sweet making demonstrations includes a talk explaining every step of our sweet making process, after which freshly made sweets are brought out for our customers to sample.



#### Curriculum matches & Key stage levels

Science – Chemistry - (States of matter) KS2L

Science – Chemistry - (Properties & changes of Materials) KS2U

Science – Chemistry - (Physical changes: of Energy in matter) KS3

Science – Chemistry - (Atoms, Elements, and Compounds) KS3

Group bookings are welcomed but please book well in advance to ensure a place. School Party timekeeping is important please book in 10 minutes prior to allocated time. Group Leaders **MUST** report to the Sweet Manufactory reception before entering the studio with their party; this is to enable us to assess their needs and make the visit an enjoyable experience.

For the younger children only, we have provided a raised platform to enable them to watch the viewing comfortably.

Whilst waiting for entry to the Sweet Manufactory please ensure that your party does not block the area adjacent to the entrance.

**Please note:** that the Viewing Gallery takes 100 people at any one time.

For safety reasons we do not permit eating, drinking or smoking whilst on the premises.

Students must be supervised at all times.

Our shop stocks a wide variety of sweets please use the scoops provided when selecting from the Pick ‘n’ Mix section.



#### IMPORTANT NOTE:

Please be aware that some sweets may contain traces of nuts. Glucose is a wheat derived.

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# Marconi

**Guglielmo Marconi:-** was born on 25 April 1874 in Bologna, Italy. During his early years, Marconi had an interest in science and electricity before moving towards radio waves. He began experimenting in Italy but finding little interest or appreciation for his work in Italy, Marconi travelled to London in early 1896 at the age of 21.

The first permanent wireless station in the world was set up in 1897 here at The Needles, in the grounds of the then Royal Needles Hotel (a monument marks the spot close to the cliff).

The site at Alum Bay was carefully chosen to give Marconi maximum length of open water to the mainland in order that similar ranges already achieved could be bettered. In 1897 Marconi registered his company as the Wireless Telegraph and Signal Company.



The first radio transmission from Alum Bay took place on 6<sup>th</sup> December 1897, a successful first in communication with two hired ferry boats and then with a station set up at Madeira House in Bournemouth on the mainland.

Many of Marconi's early aerial developments were pioneered here, with mast lengths varying between 3ft & 8ft offering a variety of range. Experimental transmissions gradually increasing in distance, began with a message being sent to a tug in the bay progressing to steamers some forty miles away. It was from here in 1898 that the very first commercial Marconigram was sent to Osborne house, the home of the then Queen Victoria.

In 1900 the site was moved to Niton, Ventnor, from where in 1901, Marconi achieved communication over 198 miles between the Isle of Wight and the Lizard in Cornwall. This was a fitting limbering-up exercise for his marathon transatlantic attempt. It was a huge gamble in both scientific and financial terms for Marconi and his infant company.

The transatlantic attempt was successful and so the forerunner of our mobile phone was born!

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## Teacup ride – Spins and Needles

The Teacup ride is a fun family ride aimed at all ages. It consists of five cups each cup can comfortably take four passengers. Children under the age of 5 must to be accompanied by an adult.



The Teacup ride spins around and each individual teacup is fitted with a wheel in order to control the amount of individual spin, so you can make spin as much or as little as you want.

There are certain ride restrictions please see the safety signs at the ride.





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# The Chairlift



## ***Information regarding your visit to the Chairlift***

It is a stunning experience when one first leaves the cliff top station to ride to the beach; the journey offers unsurpassed views of the coastline around Alum Bay; on a fine day it is possible to see Christchurch and beyond.

## **Technical data**

The Chairlift at Alum Bay was opened in 1973 and has a capacity of 500 passengers per hour in each direction and to date well over 12 million people have used it.

The chairlift travels 250 metres on the horizontal plane, rising 51 metres from the beach to the top of the chine. The endless galvanised steel rope of 519 metres is annually x-rayed for faults. It is driven by a 30 h.p. electric motor with a standby 15 h.p. diesel engine.

Important Safety regulations apply to chairlift travel so please ensure that all of your group follow them. The rules are to comply with Health & Safety legislation and are for your personal safety. Any breach may result in you being barred from using the facility.

## **Using the Chairlift**

Group leaders **MUST** report to the cashier before entering the chairlift entrance with your group.

### **Important Safety Regulations**

1. A maximum of two people are allowed to travel in each chair.
2. Height restrictions apply: Unaccompanied people must be at least 1.4 metres.
3. People under 1.4 metres must be accompanied by a responsible adult who meets the height requirement.
4. For the purposes of the chairlift adult age commences at 18 years.
5. Babies in arms are not allowed to ride on the seat they must be carried by means of a forward facing harness. Baby or toddler in arms counts as one person.
6. Rucksacks must be worn on the front of the person.
7. Bouncing up and down in the chair is prohibited and is dangerous.
8. Passengers are not to stand up on the safety bar footrest.
9. Passengers must not lift the safety bar at any time whilst riding on Chairlift.
10. As the chairlift consists of an open two seater it may not be suitable for physically or other disabled persons. Discretion lies with The Needles employees. Please refer to our access statement for more information.
11. Smoking and drinking alcohol are not allowed on the chairlift.
12. Only passengers deemed fit to travel will be carried.

***Please note: The chairlift may not run at times of inclement weather.***

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# The Sand Shop



Our aim of making the coloured sands available to everyone has been achieved through the do-it-yourself and ready made Sand Shop. Once upon a time hardy visitors descended the steep chine to scrape the different coloured sands from the privately owned cliffs, which crumble at the touch. This is now prohibited due to Health & Safety concerns.

The 21 recognised colours of sand are professionally collected then finely ground and dried in our ovens. They are put into open containers in the sand shop to allow people of all ages to make up their own mix of coloured sand layers and thus create their own unique souvenirs. All of our sands are verified by Trading Standards as genuine and we do not import sand materials or use any artificial colourings.

## Curriculum matches & Key stage levels

Geography –(Physical Geography) KS2L

Geography –(Physical Geography) KS2U

Group leaders MUST report to a supervisor before entering the shop with their party; this is to enable us to assess their needs and to make the visit an enjoyable experience.

To ensure the quality finish of a sand ornament, all instructions given with regard to filling sand shapes should be followed.

## Children's Behaviour:

Children must be supervised at all times

A great deal of time and effort has gone into preparing the sand for use and for safety reasons and customer comfort we cannot allow sand to be thrown, mixed or otherwise misused.

To prevent ingestion and contamination of sand we do not allow food or drink to be consumed in the shop.

Personal collection of sand and/or climbing on the cliffs is strictly prohibited on safety grounds; please pay attention to the safety notice(s) displayed on the beach and surrounding area. When visiting the beach/cliff area please take note of the weather forecasts, conditions and tides by being properly equipped for the weather.



**Please note:** To enable parties to get the maximum fun out of filling their sand shapes at least half an hour should be allowed for groups to go through the Sand Shop.

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# The Coloured Sands of Alum Bay

The coloured sands first started to be recorded about 1780 and filled shapes were available from very early on. An account of the sands was published in 1816 “.... The tints of the cliffs are so bright and so varied that they have not the aspect of anything natural. Deep purplish red, dusky blue, bright ochreous yellow, grey nearly approaching to white, and absolute black succeed each other as sharply defined as the stripes in silk; and after rains, the sun, which from about noon till his setting in summer, illuminates them more and more, gives a brilliancy to some of these as resplendent as the bright lights on real silk”.

Red Sands	The red colour is imparted by the red mineral haematite, chemically: iron oxide $\text{Fe}_2\text{O}_3$ ), which in small quantities usually forms a thin film or skin around each individual 'sand grain'. In larger amounts the haematite is present as distinct earthy particles. This mineral was not deposited with the sand but was formed later by chemical alteration of the mineral pyrite, (chemically: iron sulphide, $\text{Fe S}$ ). It is not known whether this original pyrite was present in the sand at its formation or whether it occurred in nearby iron-rich clays and was carried subsequently, after alteration to haematite, by percolating ground water.
White Sands	The white sands are made up solely of rounded fragments of the mineral quartz together with small amounts of feldspar and mica. No other minerals are present as impurities give colour to these pure sands thus the 'whiteness' is due solely to the quartz, feldspar and mica.
Green Sands	The colour of these sands results from the presence of the green mineral glauconite. This mineral, (chemically: a complex silicate of potassium, iron and aluminium), was formed during the deposition of the sand in the Eocene sea. Small amounts result in a light grey to light green colour; larger proportions give a definite green.
Black Sands	The black colour is caused by small particles of Carbon. This carbon, originating from the decomposition and disintegration of animal and plant remains, became incorporated in the sand at the time of its accumulation. Small amounts of carbon result in a grey sand; moderate quantities are needed to produce a good black colour.
Yellow / Brown Sands	The colours of these sands are caused by the mineral limonite, (chemically: hydrated iron oxide. $\text{Fe}_2\text{O}_3\text{H}_2\text{O}$ ). This is an iron mineral chemically similar to haematite but with the addition of chemically combined water. As with haematite, small quantities of this mineral usually form films round the 'sand grains'; larger amounts are concentrated as distinct particles. Like haematite this mineral was also formed some time after the deposition of the sand by the alteration of original pyrite.
Variations	Only five main groups of colours have been described. Within most of these groups there are fine graduation and differences of hue, which are produced by varying concentrations of the colouring materials, e.g. a small quantity of haematite produces a light red; large amounts result in purplish-reds and crimsons. In addition to this, variation in colour occur in sands of different grain sizes, and amounts to a range of 21 different shades of colour available
Blue Sands	It is of interest to note that in spite of the great variety and range of colours and various Victorian quotations, the colour blue is conspicuously absent.
Colours Available	In the past it was the practice to actively scoop the sand from the cliffs but in an effort to preserve the environment this has now ceased and only naturally occurring cliff falls provide a source for the sand used so the number of available colours can vary from year to year – it is also for this reason and that of safety that collecting of sand by the public has been banned. Teams of specially trained staff from The Needles collect the sand at the end of the season and this is then finely ground and dried in our ovens during the winter to make it ready for use the following season.
The Sand Myths	There are many myths covering the colouring of the sands some of the more popular are: <ul style="list-style-type: none"> <li>• It blows in from the Sahara and lands in nicely coloured stripes</li> <li>• The Coastguard Helicopter spray paints the sands every winter</li> <li>• It's imported from China and placed on the cliffs</li> </ul>

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## Vintage Cars



Vintage cars are a family favourite. Each car is designed to carry a maximum of four persons (adults or children). Children under 1 metre must be sat with an adult.

Each of the three cars is fitted with seat belts making this a very safe ride for all who ride. The cars are completely automatic so no need for any hard work.





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Risk Assessment: Group Information Pack – 4D Cinema		Date:	
Assessed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Entering the building	Doors hitting customers	Customers Staff	3	3	9	Door hooks to hold the doors Staff instructions	3	1	3	
Entering the building	Slips or trips up ramp	Customers Staff	3	3	9	Paint area with grip paint Signage Staff instruction Staff training First Aid available	3	1	3	
Mounting/ Dismounting standing area	Trips Falls Up tiered area	Customers Staff	3	3	9	Signage Staff instruction Staff training First Aid available Hazard tape if necessary	3	1	3	

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

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Risk Assessment: Group Information Pack – 4D Cinema		Date:	
Assessed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Watching 4D movie	Falling from standing pod	Customers	3	2	6	Staff instructions Staff training Signage	3	1	3	
Watching 4D movie	Issues with Confined spaces	Customers Staff	2	2	4	Access Statement info Staff instruction Staff training	2	1	2	
Watching 4D movie	Epilepsy attack triggered	Customers Staff	4	4	16	Access Statement Staff instruction Staff training Warning signage First aid available	4	1	4	

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

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Risk Assessment: Group Information Pack – 4D Cinema		Date:	
Assessed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Watching 4D movie	Back jolt resulting in pain	Customers	3	3	9	Warning signage Staff instruction Staff training First aid available	3	1	3	
Watching 4D movie	Sprayed in eyes with air/bubbles etc	Customers Staff	3	4	12	Warning signage Staff instruction Staff training First aid available 3D glasses	3	1	3	
Mechanical Equipment Failure	Overheating of equipment	Staff Customers	5	3	15	Maintenance of machinery Extraction Fan Staff Training Fire Risk Assessment	5	1	5	

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 27-01-2015	Page 20 of 40
Risk Assessment: Group Information Pack – 4D Cinema		Date:	
Assessed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Mechanical Equipment Failure	Fire	Staff Customers	5	3	15	Fire Risk Assessment Fire wardens Heat sensor Fire alarm Staff training House keeping Maintenance	5	1	5	

0 – 5 = Low Risk		Severity of the potential injury/damage				
6 – 10 = Moderate Risk		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
11 – 15 = High Risk		1	2	3	4	5
Likelihood of the hazard happening	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 29-12-17	Page 21 of 40
Risk Assessment: Group Information Pack – ABG Demonstration		Date:	
Assessed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
VIEWING GLASS DEMONSTRATION	ACCESS TO PRODUCTION AREA	VISITORS	4	5	20	CONTROL BARRIERS/RAILINGS DESIGNATED VIEWING AREA ACCESS TO PRODUCTION AREA LOCKED	4	1	4	AUTHORISED PERSONNEL ONLY
VIEWING GLASS DEMONSTRATION	HEAT EXHAUSTION	VISITORS	3	3	9	HEAT EXTRACTION UNIT IN OPERATION. ADVICE GIVEN IN COMMENTARY	3	1	3	TEMPERATURE CONTINUALLY MONITORED
VIEWING GLASS DEMONSTRATION	OVER CROWDING	VISITORS	4	3	12	MAXIMUM LIMIT 110 AT ONE TIME	1	1	1	
SHOPPING IN GLASS SHOP	CUTS FROM HANDLING GLASSWARE	VISITORS	3	2	6	INSTRUCT ALL VISITORS TO HANDLE GOODS CAREFULLY AND WHERE POSSIBLE AVOID HANDLING	3	1	3	ALL GOODS FINISHED TO THE HIGHEST QUALITY

Severity of the potential injury/damage						
Likelihood of the hazard happening	0 – 5 = Low Risk	6 – 10 = Moderate Risk	11 – 15 = High Risk	16 – 25 = extremely high unacceptable risk		
	Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business	
	1	2	3	4	5	
	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 30-01-13	Page 22 of 40
Risk Assessment: Group Information Pack – Alum Bay Cliff & Beach		Date:	
reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
PERSONAL COLLECTION OF SAND FROM THE BEACH	BURIAL BENEATH CLIFF FALL	VISITORS	5	4	20	WARNING SIGNS IN PLACE. BARRIER TAPE LIMITING ACCESS TO CLIFFS. NO PERSONAL COLLECTIONS PERMITTED	5	1	5	STAFF MONITORING CLIFFS
USING ALUM BAY BEACH	SLIPPING ON PEBBLES	VISITORS	4	2	8	WARNING SIGNS IN PLACE.	4	1	4	REVIEW INCIDENTS
USING ALUM BAY BEACH	FALLING FROM CLIFFS	VISITORS	5	3	15	WARNING SIGNS IN PLACE. BARRIER TAPE LIMITING ACCESS TO CLIFFS.	5	1	5	REVIEW INCIDENTS

		Severity of the potential injury/damage				
0 – 5 = Low Risk		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
6 – 10 = Moderate Risk						
11 – 15 = High Risk						
16 – 25 = extremely high unacceptable risk						
Likelihood of the hazard happening	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**  
**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**  
**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 23 of 40
Risk Assessment: Group Information Pack –Carousel		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Moving Carousel	Injury caused by unauthorised access to ride platform whilst in motion	Customers	4	3	12	Ride to be fenced off. Access by gate only. Operator in attendance whilst ride in motion.	4	1	4	
Mounting horses	Falling off	Customers	3	3	9	Operator to assist in mounting. Small children to be accompanied by an adult.	3	1	3	
Riding horses	Falling off at the start of the ride	Customers	3	3	9	Warning bell sounded at the start of the ride. Staff instruction. Ride controlled by foot pedal.	3	1	3	
Mounting Horses via foot rest	Getting feet caught in rest	Customers	3	3	9	Staff instruction Ensure customers are helped on to ride by staff or parents First aid.	3	1	3	
Walking on walkway	Slips/Trips	Customers Staff	3	2	6	Walkway inspected for hazards. Colour difference in wood to show step up. Staff cleaning in case of wet weather. Staff training	3	1	3	

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

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**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 24 of 40
Risk Assessment: Group Information Pack –Carousel		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
High wind speed	Blown off horses/ roof movement	Customers Staff	4	3	12	Carousel will not be operated in wind speeds above 35 knots	4	1	4	
Children under 5 riding on moving horses on carousel	Slipping/ Falling off horse	Children under 5 Accompanying adult	3	3	9	Children under 5 to be accompanied by adult over 18 on the same horse Staff instruction First aid Slow speed of ride	3	1	3	

0 – 5 = Low Risk		Severity of the potential injury/damage				
6 – 10 = Moderate Risk		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
11 – 15 = High Risk		1	2	3	4	5
16 – 25 = extremely high unacceptable risk		5	10	15	20	25
Likelihood of the hazard happening	Almost Certain	5	10	15	20	25
	Will probably occur	4	8	12	16	20
	Possible occur	3	6	9	12	15
	Remote possibility	2	4	6	8	10
	Extremely Unlikely	1	2	3	4	5

Review date:	Reviewed by:
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**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**



Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 25 of 40
Risk Assessment: Group Information Pack –Chairlift		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
LOADING PASSENGERS ONTO MOVING CHAIR	TRAPPING OF HAND BETWEEN SIDE BAR AND LAP BAR	PASSENGERS	3	3	9	FITTING OF CONTAINMENT BARS TO LAP BAR. IMPROVED PICTORIAL SIGNAGE. INSTRUCTION BY OPERATORS	3	2	6	CONTAINMENT BAR TOUCHES ARM & DOES NOT TRAP HAND
LOADING PASSENGERS ONTO MOVING CHAIR	STRUCK ON HEAD BY LAP BAR WHEN SEATED	PASSENGERS	3	3	9	IMPROVED PADDING FITTED TO LAP BAR. IMPROVED PICTORIAL SIGNAGE. INSTRUCTION BY OPERATOR. OPERATOR TRAINING	3	2	6	PADDING ON LAP BAR LESSENS IMPACT ON HEAD
UNLOADING PASSENGERS ONTO MOVING CHAIR	STRUCK ON HEAD BY LAP BAR WHEN SEATED	PASSENGERS	3	3	9	IMPROVED PADDING FITTED TO LAP BAR. IMPROVED PICTORIAL SIGNAGE. INSTRUCTION BY OPERATOR. OPERATOR TRAINING	3	2	6	PADDING ON LAP BAR LESSENS IMPACT ON HEAD
LOADING & UNLOADING PHYSICALLY IMPAIRED PASSENGERS FROM MOVING CHAIR	INJURY FROM MOVING CHAIR	PASSENGERS & OPERATOR	3	3	9	MUST BE ABLE TO WALK UNAIDED FROM CASH OFFICE TO LOADING STATION. LIFT TO RUN DEAD SLOW. INSTRUCTION & ASSISTANCE BY OPERATOR.	3	1	3	PERSONS IMPAIRMENT TO BE CONSIDERED. TWO OPERATORS TO ASSIST AS REQUIRED.

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 26 of 40
Risk Assessment: Group Information Pack –Chairlift		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
LOADING & UNLOADING VISUALLY IMPAIRED PASSENGERS FROM MOVING CHAIR	INJURY FROM MOVING CHAIR	PASSENGERS & OPERATOR	3	3	9	MUST BE ACCOMPANIED BY AN ADULT SEEING PASSENGER. LIFT TO RUN DEAD SLOW. INSTRUCTION & ASSISTANCE BY OPERATOR.	3	1	3	PERSONS IMPAIRMENT TO BE CONSIDERED. TWO OPERATORS TO ASSIST AS REQUIRED.
LOADING & UNLOADING MENTALLY IMPAIRED PASSENGERS FROM MOVING CHAIR	INJURY FROM MOVING CHAIR	PASSENGERS & OPERATOR	3	3	9	MUST BE ACCOMPANIED BY AN ADULT ASSISTANT. LIFT TO RUN DEAD SLOW. INSTRUCTION & ASSISTANCE BY OPERATOR.	3	1	3	PERSONS IMPAIRMENT TO BE CONSIDERED. TWO OPERATORS TO ASSIST AS REQUIRED.
LOADING & UNLOADING ELDERLY PASSENGERS FROM MOVING CHAIR	INJURY FROM MOVING CHAIR	PASSENGERS & OPERATOR	3	3	9	LIFT TO RUN DEAD SLOW. INSTRUCTION & ASSISTANCE BY OPERATOR.	3	1	3	TWO OPERATORS TO ASSIST AS REQUIRED
TRAVELLING ON CHAIRLIFT	FALLING FROM CHAIR	BABIES	3	5	15	BABIES ONLY CARRIED IF STRAPPED SECURELY TO ADULT IN PROPER FORWARD FACING HARNESS.	5	1	5	HARNESS MUST BE OF THE TYPE THAT STRAPS SECURELY TO THE BODY WITH CHILDS ARMS & LEGS FREE.

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 27 of 40
Risk Assessment: Group Information Pack –Chairlift		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
TRAVELLING ON CHAIRLIFT	FALLING FROM CHAIR	CHILDREN UNDER 4 YRS OF AGE	5	2	10	CHILDREN UNDER 4 YRS MUST BE SAT ON ADULTS LAP.	5	1	5	CHILD MUST TRAVEL FACING FORWARD WITH ADULT ARMS AROUND THEM.
TRAVELLING ON CHAIRLIFT	FALLING FROM CHAIR	CHILDREN OVER 1.4M IN HEIGHT	5	3	15	FITTING OF SIDE RESTRAINT BARS TO PREVENT FALLING OUT OF SIDE OF CHAIR. FITTING OF SPACER BAR TO NARROW GAP AT REAR OF CHAIR LAP.	5	1	5	HEIGHT RESTRICTION IN PLACE
TRAVELLING ON CHAIRLIFT	FALLING FROM CHAIR	CHILDREN BELOW 1.4M IN HEIGHT	5	3	15	INCREASE ACCOMPANYING ADULT AGE FROM 16 YRS TO 18 YRS.	5	1	5	CHILD TO BE RESTRAINED
BOUNCING UP AND DOWN ON CHAIRLIFT	FALLING FROM CHAIR	PASSENGERS	5	4	20	CONDITIONS OF TRAVEL	5	1	5	OPERATOR TO USE MEGAPHONE IF PASSENGERS SEEN BOUNCING AT A DISTANCE.

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 28 of 40
Risk Assessment: Group Information Pack –Chairlift		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
SMOKING ON CHAIRLIFT	FIRE /BURNS	PASSENGERS & OPERATOR	3	3	9	CONDITIONS OF TRAVEL	3	1	3	
MEDICAL CONDITIONS	CONDITION COULD CAUSE HARM TO PASSENGER AND STAFF	PASSENGERS & OPERATOR	5	4	20	CONDITIONS OF TRAVEL	5	1	5	
DRINK & DRUGS	FALLING/JUMPING FROM CHAIR	PASSENGERS	5	4	20	CONDITIONS OF TRAVEL	5	1	5	NO PASSENGERS ALLOWED TO TRAVEL IF ADJUDGED TO BE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL
RISING OF LAP BAR WHILST CHAIR IN MOTION	FALLING FROM CHAIR	PASSENGERS	5	3	15	CONDITIONS OF TRAVEL	5	1	5	INSTRUCTED TO PLACE FEET ON BAR

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date: 7-04-15	Page 29 of 40
Risk Assessment: Group Information Pack –Chairlift		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
LOWERING OF LAP BAR	TRAPPING OF CLOTHING	PASSENGERS & OPERATOR	3	1	3	INSTRUCTION BY OPERATOR	1	2	2	
CHAIRLIFT IN MOTION	FALLING OBJECTS FROM CHAIR TO GROUND	GENERAL PUBLIC	4	3	12	ALL BAGS TO BE CLOSED. RUCKSACKS TO BE CARRIED IN A FROWARD POSITION. ONE PERSON ONLY PER ITEM OF LARGE LUGGAGE. NO PUSHCHAIRS.	4	1	4	CHAIRLIFT ONLY TRAVELS OVER TWO AREAS OF PUBLIC ACCESS FOR 1 TO 2 SECONDS
WIND SPEED ABOVE 30 KNOTS	CHAIRS SWINGING & HITTING TRESTLES	PASSENGERS	5	3	15	CHAIRLIFT TO BE STOPPED AT WIND SPEEDS ABOVE 30 KNOTS. DIRECTION OF WIND TO BE TAKEN INTO ACCOUNT	5	1	5	WIND SPEED CONTINUALLY MONITORED BY ANEMOMETER

		Severity of the potential injury/damage				
		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
Likelihood of the hazard happening	Almost Certain 5	1	2	3	4	5
	Will probably occur 4	5	10	15	20	25
	Possible occur 3	4	8	12	16	20
	Remote possibility 2	3	6	9	12	15
	Extremely Unlikely 1	2	4	6	8	10
		1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
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Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-03-03-16	Page 30 of 40
Risk Assessment: Group Information Pack –Jurassic Golf		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Playing mini golf	Being hit by flying balls	Customers Staff	3	3	9	Staff training Staff Instruction Use of softer golf balls First Aid Signage Wind speed monitoring	3	1	3	
Playing mini golf	Trips/falls on steps	Customers Staff	3	3	9	Maintenance Daily cleaning of debris Staff instruction Signage First aid	3	1	3	
Playing mini golf	Being hit by a club	Customers Staff	3	2	6	Staff instruction Signage Distance between players First aid	3	1	3	

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-03-03-16	Page 31 of 40
Risk Assessment: Group Information Pack –Jurassic Golf		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
Playing mini Golf	Climbing over fences	Customers Staff	3	2	6	Staff instruction Signage Maintenance of course First aid	3	1	3	
Playing mini golf	Falling in fountain	Customers Staff	4	3	12	Staff instruction Signage Maintenance (Lights) First aid Fence.	4	2	8	
Playing mini golf	Weather	Customers Staff	4	3	12	Weather monitor Staff training Staff instruction Closed when too windy First aid	4	1	4	

		Severity of the potential injury/damage				
		1	2	3	4	5
Likelihood of the hazard happening	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-01-09-2010	Page 32 of 40
Risk Assessment: Group Information Pack –SAND FILLING		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
FILLING SAND ORNAMENT	CUTS DUE TO MISHANDLING OF GLASSWARE	STAFF VISITORS	3	2	6	ALL ORNAMENTS CHECKED FOR DEFECTS. INSTRUCTIONS IN CORRECT HANDLING	3	1	3	LARGE PERCENTAGE OF ORNAMENTS PLASTIC
FILLING SAND ORNAMENT	INGESTION OF SAND	VISITORS	3	2	6	NO FOOD OR DRINK TO BE CONSUMED IN SAND SHOP. ALL CHILDREN TO BE SUPERVISED.	2	1	2	
FILLING SAND ORNAMENT	SAND IN THE EYE	VISITORS	3	3	9	ALL CHILDREN TO BE SUPERVISED. THROWING OF SAND STRICTLY PROHIBITED.	3	1	3	

Likelihood of the hazard happening		Severity of the potential injury/damage				
		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
		1	2	3	4	5
Likelihood of the hazard happening	Almost Certain	5	10	15	20	25
	Will probably occur	4	8	12	16	20
	Possible occur	3	6	9	12	15
	Remote possibility	2	4	6	8	10
	Extremely Unlikely	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**



Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-01-09-2010	Page 33 of 40
Risk Assessment: Group Information Pack –Sweet Demonstration		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
VIEWING DEMONSTRATION	OVERCROWDING	VISITORS	4	4	16	RESTRICT CAPACITY TO 100 PERSONS AT ANY ONE TIME	4	1	4	

0 – 5 = Low Risk		Severity of the potential injury/damage				
6 – 10 = Moderate Risk		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
11 – 15 = High Risk		1	2	3	4	5
Likelihood of the hazard happening	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.

(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating

For instructions on the completion of this Forms – see HAL/137 and HAL/14

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-01-09-2010	Page 34 of 40
Risk Assessment: Group Information Pack –T Cups		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
RIDE IN MOTION	INJURY FROM MOVING PLATFORM	PASSENGERS & OPERATOR	5	5	25	BARRIERS IN USE TO PREVENT ACCESS	5	1	5	
RIDE IN MOTION	RISK OF INJURY FROM BAD BEHAVIOUR	PASSENGERS	4	3	12	STOP RIDE AND REMOVE PASSENGER	5	1	4	
RIDE IN MOTION	PASSENGERS THROWING ITEMS FROM RIDE	BYSTANDERS & OPERATOR	4	3	12	RIDE TO BE STOOPED IMMEDIATELY. NO LOOSE ITEMS TO BE TAKEN ON RIDE.	4	1	4	
RIDE IN MOTION	ILLNESS SICKNESS PREGNANCY	PASSENGERS	5	3	15	SIGNAGE DISPLAYING DETAILS	5	1	5	

		Severity of the potential injury/damage				
		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
Likelihood of the hazard happening	Almost Certain 5	1	2	3	4	5
	Will probably occur 4	5	10	15	20	25
	Possible occur 3	4	8	12	16	20
	Remote possibility 2	3	6	9	12	15
	Extremely Unlikely 1	2	4	6	8	10
		1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-01-03-2011	Page 35 of 40
Risk Assessment: Group Information Pack –Vintage Cars		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
LOADING CARS	TRIPPING	CUSTOMERS	4	4	16	STAFF TO ASSIST PASSENGERS IN TO CAR. STEP EDGE PAINTED WHITE	4	2	8	
RIDING IN CARS	FALL FROM CARS	CUSTOMERS	4	4	16	SEAT BELTS TO BE WORN. STAFF SUPERVISION	4	1	4	
RIDING THROUGH TUNNEL/GARAGE	INJURY TO HAND'S AND ARMS	CUSTOMERS	5	5	25	BRIEF CUSTOMER SON RULES OF TRAVEL MONITOR VIA CCTV EXHIBITS OUT OF REACH	5	1	5	
UNAUTHORISED ACCESS TO TRACK	HIT BY CAR/ ELECTRIC SHOCK	CUSTOMERS STAFF	5	5	25	CIRCUIT FENCED OFF ACCESS VIA MANNED GATE ONLY. POWER SWITCHED OFF WHEN CARS ARE STOPPED	5	1	5	

0 – 5 = Low Risk		Severity of the potential injury/damage				
6 – 10 = Moderate Risk		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
11 – 15 = High Risk		1	2	3	4	5
Likelihood of the hazard happening	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

Heritage Attractions Risk Assessment Form	Form no. HAL143a/8019	Date:-01-05-2012	Page 36 of 40
Risk Assessment: Group Information Pack –Water Walkers		Date:	
Reviewed by: J Reynard		Date to review: 29-12-17	

Activity	Hazard	Persons at Risk	Before controls			Control Measures in Place	After controls			Other Possible Considerations
			(a)	(b)	(c)		(a)	(b)	(c)	
EMBARKING & DISEMBARKING FROM BALLS	SLIPPING & TRIPPING	CUSTOMERS	4	3	12	ABSORBENT FLOOR TILES INSTALLED. SIGNAGE STAFF AWARENESS	3	1	3	
RIDING IN BALL	DROWNING DUE TO FAULTY EQUIPMENT	CUSTOMERS	5	5	25	ALL EQUIPMENT CHECKED DAILY BEFORE COMMENCE OPERATING AND CONTINUALLY DURING DAY. STAFF IN CONSTANT CONTROL VIA ATTACHED ROPE.	5	1	5	
RIDING IN BALL	SUFFOCATION	CUSTOMERS	5	5	25	ALL EQUIPMENT CHECKED DAILY BEFORE COMMENCE OPERATING AND CONTINUALLY DURING DAY. STAFF TO LIMIT TIME CONCEALED IN BALL TO 5 MINUTES MAX	5	1	5	

Likelihood of the hazard happening		Severity of the potential injury/damage				
		Insignificant damage to Property, Equipment or Minor Injury	Non-Reportable Injury, minor loss of Process or slight damage to Property	Reportable Injury moderate loss of Process or limited damage to Property	Major Injury, Single Fatality critical loss of Process/damage to Property	Multiple Fatalities Catastrophic Loss of Business
		1	2	3	4	5
Likelihood of the hazard happening	Almost Certain 5	5	10	15	20	25
	Will probably occur 4	4	8	12	16	20
	Possible occur 3	3	6	9	12	15
	Remote possibility 2	2	4	6	8	10
	Extremely Unlikely 1	1	2	3	4	5

Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:
Review date:	Reviewed by:

**Risk Rating must be assessed both before and after the application of Control Measures to evidence their effectiveness.**

**(a)= Hazard Score (Severity); (b) = Likelihood Score (Probability); (c) = Risk Rating**

**For instructions on the completion of this Forms – see HAL/137 and HAL/14**

<b>The Needles – Landmark Attraction</b>	<b>Issue DA04</b> <b>Date:- 29-12-17</b>	<b>Page 37 of 40</b>
<b>GROUP INFORMATION PACK</b>	<b>Form No: N8019</b>	

## **THE NEEDLES ACCESS STATEMENT**

(Obtained from our web site and any till point on site)

The Needles is committed to the Equality Act and as such, will endeavour to meet the requirements of all our guests. Due to the physical nature of the site certain devices at The Needles can be physically demanding. Therefore we will endeavor to make adjustments to meet all requirements. Please contact us and discuss your requirements prior to your visit or upon arrival.

This guide has been designed to assist our disabled guests to ensure that you have a safe and fun packed day out.

We want all our guests to get the most out of the park and enjoy as many of our rides and attractions as possible.

This guide has been produced to give you a realistic picture of our rides and attractions, detailing access issues, and ride requirements.

Hopefully this, along with general ride requirements detailed on signage at the rides, will enable you to assess your own abilities and make an informed decision about which rides and attractions you are able to, or wish to use.

All staff at The Needles are happy & trained to assist all our customers with their requests whilst on site.

All public areas of the site (except for some rides & the beach) are accessible to wheelchair users. The physical nature of the site results in some steep slopes which may need to be negotiated with care. Please speak to a member of staff if you require assistance.

There are 14 designated parking bays clearly marked next to the site main entrance, available to blue badge holders only. For those customers arriving via coach, the coach drivers are permitted to stop whilst passengers disembark and embark on the main roundabout at the entrance.

There are two accessible toilets along with accessible baby changing rooms on site, one next to Marconi's bar and the other situated next to the Carousel.

There are printed copies and large print copies of the glass studio and sweet manufacturing demonstrations available upon request.

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## THE NEEDLES RIDE INVENTORY (ACCESS)

1. **The Chairlift** is an open two-seater continually moving ride and therefore may not be accessible to all wheelchair users. Persons with the following medical conditions are advised not to ride on the chairlift:

Motion sickness

Heart Condition

Epilepsy

Neck/Back disorders

Fear of heights

Some people with visual impairments may require some one to accompany them to use the chairlift in order to assist with embarkation and disembarkation. Please enquire at the chairlift for accessibility. When using the chairlift please notify the staff of any requirements or assistance which you may require in order to use the ride safely and we ask that all customers observe the following instructions:

- Listen to the instruction given by the operator.
- Look behind you and sit straight down with your arms in and head back.
- When the attendant has lowered the safety bar place your feet on the foot rest and hold on.

Babies must be in a front facing harness. Please note: (You must provide your own harness) Children under 1.4 metres must be accompanied by an adult.

2. **The Carousel** is a traditional single horse round-about.

There are 2 steps onto the carousel.

You are also required to hold on to the horses, so you must be able to grip.

When riding the carousel please make sure you sit still and hold on tight.

Babies must be in a harness to ride. Children under 5yrs must be accompanied by an Adult over 18. The Adult **must** sit behind the child on the same horse. There are a limited number of static horses which may be more suitable for young or less able riders.

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Please enquire at the carousel if you wish to discuss your requirements. We advise that customers with the following medical conditions do not ride the Carousel: High blood pressure, any heart conditions, epilepsy, back or neck problems, motion sickness

3. **Vintage Cars** is a ride for all ages, however children under 1 metre must be accompanied by an adult.

Each car consists of four seats a maximum of two adults are permitted per car, and they must sit in the rear of the vehicle. There is an element of climbing involved to alight and disembark. When riding the Vintage cars please ensure that you remain seated, are strapped in and keep your hands and feet within the car at all times. Not suitable for people who suffer from heart conditions, high blood pressure, epilepsy or pregnant women

4. **The Tea Cup Ride** is a moving spinning ride. Access to each cup is via 3 steps & involves stepping in to the cup. If you wish to spin the ride, you must be able to grip your hands.

Children under 5 must be accompanied.

Please enquire at the ride.

We advise that customers with the following medical conditions do not ride the Tea Cups: We advise that customers with the following medical conditions do not ride the Tea Cups: High blood pressure, any heart conditions, epilepsy, back or neck problems, motion sickness or pregnant women

5. **Jurassic Golf** is an adventure golf set in and around a wooded area on uneven ground. This attraction is suitable for people who can grip, and there are also a few steps throughout the course. Please enquire about access at the Jurassic Golf. We ask that all customers refrain from throwing golf balls and do not swing your golf club around.

6. **Water Walkerz** are air filled balls in a pool of water. The activity involves a risk of personal injury. You will fall down many times and will find it hard to stand & run.

Please note the maximum weight for this is 15 stone.

Children under 5 are not permitted on this ride.

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Not suitable for anyone suffering from High blood pressure, any heart conditions, epilepsy, back or neck problems, asthma or pregnant women.

There is one step up to get into the ball, and you must remove your shoes and all objects from your pockets.

7. **4D Cinema** is a theatre attraction, which shows short films in 4D. The cinema consists of 36 standing spaces and 1 wheelchair space. There is an element of climbing involved as the theatre is tiered. You must be able to stand unassisted as you are leaning against a pad which will also vibrate. Anyone who suffers with a heart condition, epilepsy (due to lights & effects), back problem or high blood pressure, and pregnant women, are advised not to enter the 4D experience.

To get the best of our 4D Cinema, the area is compact, if you have a fear of confined spaces please contact us for more info.

You must be over 4 to enter this attraction.

The Needles Landmark Attraction welcome any feedback, see our Website for details or speak to a member of staff on site.

**Thank you for showing an interest in The Needles Landmark Attraction, should you have any questions or would like to make a booking please call our friendly reservation staff on the numbers printed on the front of the pack.**