

## HEATHERTON RISK ASSESSMENT

### **Visitors Car Park**

The car parks are spacious, well laid out and include provisions for coaches

Disclaimer notices are placed in the car parks explaining that management accept no responsibility for any damage/theft from vehicles.

### **Access to Facilities and Activities**

Wheelchair and pushchair access around the park has been improved and is a priority when planning new facilities.

## ACTIVITIES

### **Indiana's Indoor Play Area**

A section of the main building at Heatherton is used as a Soft Play Area. A certificate of registration under the children's Act 1989 and a set of rules are displayed in the lobby. The area is fitted with a security system and the fire doors are alarmed to ensure children do not leave the area undetected.

The area is supervised at all times and the management insists that children are accompanied by their parents / guardians whilst in the area.

The soft play area comprises various pieces of climbing activity equipment with a ball pit. An under 3's area is provided. Vertical supports and all items of play equipment are clad in rubberised foam.

The equipment is in good order. All items of play equipment, including ropes, are inspected annually. Staff carry out weekly checks on all items of play equipment using a checklist and this includes cleaning checks. The park manager carries out inspections, this insures that the inspections are systematic and thorough. Electric sockets are fitted with child – proof covers.

<b>RISK</b>	<b>PREVENTION</b>
Children bumping into obstacles	Structure of the activity is fitted with padded foam
Falling / slipping over	Cushioned floor surface.
Trip hazards from ball pool	Deliberate throwing of balls should be discouraged Daily monitoring of ball pit to ensure all foreign objects are removed and reduce potential breeding of bacteria etc.
Children lying unnoticed in ball pool	Staff and parental supervision.

The building is in good condition and does not present an undue hazard.

Fire escape routes are provided and kept clear.

**Robowars**

Robowars is an event staged undercover on a 36m<sup>2</sup> arena. To enhance the customer's robot-wars experience in the battle zone, a built-in sound system provides various effects as well as some adrenaline pumping tracks. The arena consists of four robots at each corner that are controlled by joysticks. Each opponent must stand in their pod to control their robots direction and their flipper.

Each robot is roughly 80kg, can be flipped over using the mechanical arm of another and re-right itself into the correct position without having to physically touch it. The robots are powered by heavy duty batteries which have a charging system which is built-in to the arena floor, where up to four batteries can be charged at a time.

The aim is to hit the bumper bars at the bottom of the opposing robots pods to receive 5 second time bonuses, the player with the most time at the end wins.

**Equipment provided**

- Robots

<b>RISK</b>	<b>PREVENTION</b>
Hit by robot	Limited access and Safety Talk Only staff allowed into arena Staff competence
Electric Shock	Regular maintenance of Robots
Tripping up stairs	No running & supervision

**Pembrokeshire Raceway**

This is an indoor event. It consists of a 1/24 scale slot raceway that up to eight people can participate in. There are eight different colour lanes with matching colour cars and a display that counts laps and records times and speeds.

**Equipment Provided**

- Car  
- Trigger

<b>RISK</b>	<b>PREVENTION</b>
Electric Shock	Training and supervision
Tripping over wires	No running & marshal race

## **Bumper Boats**

This is an outdoor event located on a small man made pond where participants sit in petrol driven bumper boats which comprise of a plastic seating area within a large inflated ring.

The majority of the pond is 4ft deep and is supplied with water from a spring and a borehole. A life ring and pole are available and in the event of someone falling into the pond staff would wade to anyone who was in difficulty. First Aiders are at hand. Life jackets are available for participants to use and a sign is displayed recommending that these are worn. Children are advised to wear life jackets.

A safety briefing is given to all participants. Although the boats are propelled by petrol driven motors and propellers, no machinery is exposed.

<b>RISK</b>	<b>PREVENTION</b>
Slipping	Non slip flooring
Drowning	Life jackets /aids and instructors Participants to remain seated
Oil/Petrol Spillage	Regular maintenance / checks
Cut due to engine movement	Instruction, one adult per boat No more than two people per boat
Inhalation of petrol/ oil fumes	Safety Procedures
Hit by golf ball	Safety netting
Wells disease	Wash hands regularly & no eating

## **Archery**

Archery is staged outdoors in a purpose built compound with up to ten participants firing at any one time, with a minimum of two members of staff in attendance, one being an instructor.

The number of instructors varies according to attendance numbers and the need of the group.

There are two firing distances, up to 18m for adults, and 10m for children using different equipment. Children must be at least six years old although the physical size and strength of the child will determine whether they can handle the equipment.

Back and side nets are erected to control any arrows that miss the butts, and any danger areas, where arrows could potentially pass / fall are cordoned off. All persons, including staff, are instructed to keep away from such areas. No access is allowed in front of the firing line.

Staff to collect arrows once the event has finished and bows have been remounted on their stands.

Event rules are clearly displayed.

### **Equipment Provided**

- Bows
- Arrows (Two sets of six arrows must be given, unless certain circumstances dictate otherwise. One practice set, one scoring.)
- Forearm protectors (when requested)

<b>RISK</b>	<b>PREVENTION</b>
Customer bruising to forearm due to string <b>(most common)</b>	Instruction and arm guard
Customer hit by an arrow	Instruction and Supervision
Customer hit by broken bow	Regular equipment checks
Customer poked by an arrow	Marked firing zone and training
Improper use of equipment	Instruction and supervision as well as regular equipment maintenance
Injury through lack of concentration	Staff Rotation

### **Pistol Shooting**

The event is staged outdoors in a purpose built compound with up to fifteen participants firing at any one time, although this is reduced to ten if there is only one member of staff present or if the majority of the customers are small children and no help is available from parents/ guardians.

Each pistol fires one 1.77mm flat-ended pellet at a time.

All participants are given and must wear eye protection.

Guns and pellets are stored in a locked box in a secure building at night.

Each participant has their own bay, different heights are available.

Event rules are clearly displayed.

### **Equipment Provided**

- Pistols (purpose made)
- 1.77 Flat-ended Pellets
- PPE (Safety Goggles)

<b>RISK</b>	<b>PREVENTION</b>
Shot by Pellet	PPE-Safety Glasses Strict Rules Individual Bays
Trapping of fingers/skin	Instruction and supervision Flat-ended pellets
Bounce Back	Low velocity pistols Sufficient loose padding around targets Perspex divide for spectators
Lead poisoning	Wash hands after use Careful and regular disposal of spent pellets No eating or drinking Disposable gloves available to staff

### **Laser Clay Pigeon Shooting**

Laser clay shooting is a simulated high tech shooting system, played with shotguns, which emit an infrared pulse that acts similar to a traditional cartridge. Clays are thrown from a traditional trap, and as the guns are fired, sound simulation creates the 'bang' effect, with a lit scoreboard displaying the score.

The minimum age for this event is six years, depending on size, as there is no kick back from the guns. The maximum number of participants is five. The member of staff who operates the trap also supervises this event. Event rules are clearly displayed.

### **Equipment Provided**

- Shotguns powered by batteries, 4 x AA
- Clays
- Trap (secured to seating platform)

<b>RISK</b>	<b>PREVENTION</b>
Struck by clay	Supervision / Staff Training
Hit by gun	Marked off firing area
Fingers trapped in gun	Instructions
Struck by trap	Competent staff and training
Struck by golf ball	Safety netting
Clays blown off course	Constant monitoring of trap and angle

## **Baseball/ Softball**

The baseball area is located at the rear of the main building, adjacent to the go-kart track. The area is totally enclosed with netting. There are 6 individual bays located opposite a central automated ball loading / bowling area. Doors are fitted to each bay. The floor slopes to the central ball collection point to enable the balls to roll down to the collection point from where they travel up an elevator into the bowling machines.

Players can participate in softball or baseball. A safety brief and full instruction lasting from 1 to 5 minutes, depending on the player(s), is given before any machine is switched on. Fast – slow bowling speeds can be selected according to the participant's age and ability. Signs are displayed detailing rules of play and safety measures.

### **Equipment Provided**

- Helmets
- Gloves
- Bats, both baseball and softball

<b>RISK</b>	<b>PREVENTION</b>
Hit by ball	Safety equipment – PPE <b>Instructions inc safety rules</b> Correct selection of soft/baseball Correct speed selection Use of common sense Locking device on cages Override system Advanced knowledge
Hit by bat	Locking device on cages Separate Cages
Hit by golf ball	Safety netting
Staff hit by ball	PPE worn upon entering range
Trapped hand (staff)	No maintenance to be carried out unless power has been isolated, proper PPE is being worn, suitable equipment is being used.
Electric shock	Regular maintenance checks by a competent person.

## **Go-Karting**

Go – Karting is a non contact form of motorsport, with drivers racing karts around a tarmac track, with tyres at certain points, to act as safety walls / crash barriers. There are 16 senior karts and 17 junior karts.

A maximum of 9 seniors are allowed on the track at any one time (if you are unsure of the drivers capabilities or the weather is having an adverse effect on the track then only have a maximum of 4 seniors). A maximum of 14 juniors are allowed on the track at any one time. Senior and junior events are never mixed. Separate junior and senior pits are provided. A minimum age requirement for seniors is 14yrs old and 6yrs old for juniors. Participants must also be able to reach the pedals.

Adult kart customers receive 6 minutes on the track, junior kart customers receive 5 minutes. The event is closely supervised by employees acting as marshals. During peak times a minimum of 3 supervisors are present at all times.

Flags are used to communicate with the drivers and other marshals, and to control the activity. Flags, for example, would be used to suspend drivers who undertake deliberate contact with another vehicle, or who fail to wear protective equipment correctly.

In addition, all junior kart pedals are colour coded and staff can shout to the driver to slow down using the colour code and flags. It is also possible to reach over and switch off the junior karts if the driver is deemed out of control / or ignoring instructions given by the marshal.

Rules are clearly displayed and all participants are given full instruction on the safe operation of the karts.

All the vehicles are checked after and before each event, and the condition of the track and its tyre walls are monitored before the race starts. The condition of the track is also continuously monitored throughout each race, and racing would be suspended in the event that any obstacles were deemed to be unsafe and needed to be removed. Employees would not enter any part of the course unless racing had been suspended or it was considered safe to do so.

The Go – Karts are purpose designed vehicles built for this type of activity. The kart brakes and tyres are checked daily and are maintained by the business on a regular basis.

The track is kept in good condition and regularly maintained.

### **Equipment provided**

- Karts
- Overalls
- Helmets (comply with BS 6658:1985)

RISK	PREVENTION
Impact injury due to users hitting any part of the kart, collisions with objects intruding, objects thrown up from the course, karts overturning, collisions between karts and ejection from the kart.	Safety Talk Guidance Signs Marshals Use of flags
Entanglement of hair, loose clothing, body parts, etc in moving transmission machinery (engine, cooling fans and brake discs).	Safety Talk Issue of PPE
Burns from fuel fires, contact with hot engine parts and friction.	Safety Talk Issue of PPE Marshals
Exposure to chemicals, including inhalation of petrol and exhaust fumes.	Safety checks on karts Safety brief
Hit by golf ball.	Safety netting / barriers
Staff sustaining injury by jumping over karts and barriers.	Staff Training Suitable Footwear
Staff sustaining back injury through manhandling karts and general wear and tear on limbs caused by moving the equipment.	Manual Handling Training Staff Training Job Rotation
Young/immature increased risk of injury due to lack of concentration and common sense	Supervision Job Rotation
Young/immature increased risk of injury due to lack of awareness/realisation of danger	On-going training Increased monitoring

## **Paintball**

Paintball is an event that is staged outdoors in a secluded, purpose built compound and follows the guidelines set out by the National Paintballing Sports Federation. It is a non – contact team adventure game played on five sites set in areas of open land and woodland, where teams aim to beat the opposition by shooting them with ‘paintballs’, (bio degradable balls filled with vegetable dye) or complete the task set by the marshals.

The woodland is scattered with piles of wood, old land rovers, sand bags, etc which act as protection against being shot. The area is divided into playing areas, each with a ‘dead zone’ providing a safe area where no shooting is allowed, and where participants may retire having been shot, or out of choice at any stage. Sites are selected according to the ground conditions, weather, age of players and numbers. The event is closely supervised by marshals at a ratio of 1 supervisor per 10 players. The number of supervisors is increased for junior events. Before any paintball events are undertaken, participants are required to provide their name, age and address details, and to sign a disclaimer form. All participants under the age of 18 must have parental / guardian consent before they are allowed to play.

Overalls and masks are provided for all participants and up to 70 may participate in a game at one time. The number of marshals varies according to attendance numbers and the needs of the group.

For easy communication, all staff must have either a mobile phone or radio with them at all times.

### **Equipment provided**

- Paintball guns (powered by liquid CO<sub>2</sub>) and hoppers
- Paintballs (gelatine shell containing vegetable dye, both of which are non-hazardous)
- Overalls
- Masks (ear, face and temple protection)

<b>RISK</b>	<b>PREVENTION</b>
Bruising	Safety Talk Signs Advising Risk PPE
Sprains/Broken bones	Safety Talk Supervision
Slipping/ falling over	Safety Talk Signs
Confrontation	Competent Staff

Before any paintball events are undertaken, participants are required to sign a disclaimer form, which confirms that they understand they must follow all instructions and the events are physically and mentally intense so there is a chance they may get injured.

## **Tree Tops Trail**

Tree Tops Trail is a high ropes adventure course built into the beech woodland forest. Crossing burma rope bridges, rope loop bridges, clambering up cargo nets, attempt the tyrolean rope crossing and tarzan swing, then sliding down the awesome zip wires.

There are two separate choices of course - Junior or Adult. It is an outdoor activity with height, age and weight restrictions as well as supervisory requirements. Staff must be fully trained to supervise on this activity. Per session there can be up to 12 children on the junior course with 2 instructors or 16 participants on the adult course with 1 instructor. The number of instructors can vary according to attendance numbers and the needs of the group.

Before partaking in the activity participants are required to fill in a disclaimer to ensure they are aware of the safety issues, that the activity requires you to be fit and agile and that it is physically and mentally challenging.

For easy communication, all staff must have a radio with them at all times.

### **Equipment provided**

- Sit or full-body harness (equipped with 2 lanyards & karabiners, a pulley and a carry tool)
- *Chest harness if required*
- Helmet

<b>RISK</b>	<b>PREVENTION</b>
Falling out of harness	Safety Talk Competent Staff Maintenance of PPE
Unclipping from course	Safety Talk Training Supervision Age restrictions & supervision guidelines
Clipping on incorrectly	Safety Talk Training including signs Age restrictions & supervision guidelines
Tripping over ropes / hands caught in wire / collision with other participant	Safety Talk Training Ratio restrictions
Tree failure	Opening procedures & wind restrictions Ratio restrictions Inspections
Cable failure	Opening procedures Weight restrictions Ratio restrictions Inspections

## **Pirates of the Caribbean Adventure Golf**

Our adventure golf area has been constructed by Sportex a Canadian company. It consists of an 18 hole putting course with a pirates theme running through it. The course is set around a water feature with concrete paths, gravelled areas and borders. The putting surfaces are made of an asphalt material.

Access to the area is by token operated turnstile.

All participants are given a scorecard which also contains the rules and regulations.

### **Equipment provided**

- Golf Putter
- Golf Ball
- Score Card

<b>RISK</b>	<b>PREVENTION</b>
Hit by ball	Rules Supervision
Hit by club	An adult must accompany all children Appropriate signs
Tripping	Hazard signs
Drowning	Life Aids
Splinters	Regular Maintenance/safety checks

### **Driving Range**

The floodlit golf driving range has netting of various heights surrounding the site. There are individual bays provided. The bays are adequately screened to a height of 4' to prevent users being hit by a ball from adjacent bays. Lighting in the area is fitted with covers. Strict safety rules are visible displayed and rigidly enforced.

Balls are collected mechanically only when the area is not in use, usually collected before 10am as play starts at 10am. Should the supply of balls run out, play would be suspended until the balls are collected.

<b>RISK</b>	<b>PREVENTION</b>
Hit by ball	Screening & safety netting
Hit by club	Strict Rules
Miss-use of clubs	No woods provided, only irons CCTV & supervision if necessary

### **18 Hole Par 3 Golf Course**

Our 18-hole par 3 golf course is situated behind the adventure golf. There are no holes on the course where it is not possible to see the tee /final shot, although visibility is partially restricted on the 10<sup>th</sup> hole but it does allow anyone at the tee to see if there players or staff on the green.

When possible staff avoids working on the course during busy periods and the bulk of the work is carried out in the autumn or early morning.

#### **Equipment provided**

- 1 iron club and 1 putter per player
- Balls (deposit per ball required)
- Score Card

<b>RISK</b>	<b>PREVENTION</b>
Hit by ball	Design of course Planting of trees/bushes
Hit by club	Rules and regulations given to all players
Car hit by ball	Customer aware they are responsible for where the ball ends up.
Slipping/falling over	Winter/Summer tee off mats provided Steps to raised tees Regular Maintenance

### **Trampoline**

The trampoline is situated outside the main reception were a member of staff is always present.

All users should be supervised by a parent / guardian

There are safety rules displayed by the trampoline. The area under trampoline is netted to prevent anyone or anything from entering the underneath of the trampoline to reduce any risk to spectators.

<b>RISK</b>	<b>PREVENTION</b>
Mounting/Dismounting Injury	Step in position to aid access
Falling Off	Surrounding netting
Injured by bumping into others	No more than one person on trampoline
Trampoline Failure	Regular inspection & maintenance checks Weight restricted to 14st
Neck/Back injury	Flips are prohibited

**Public Liability Insurance – General**

**Policy No. 080X3471909/N14 (NFU Mutual)**

1. Name of Policyholder Heatherton Country Sports Park Ltd
2. Date of commencement of insurance 23rd February, 2011
3. Date of Expiry of Insurance Noon 23rd February, 2012
4. Business(es) Leisure Park Operators
5. Indemnity Limit  
Public Liability £2,500,000  
Product Liability £2,500,000

This is to certify that the policyholder is under the above numbered policy, subject to the terms and agreed by the insurer.

This document does not form as part of the policy/contract with NFU Mutual  
*It is a summary of the cover in force and full details are found in the policy*  
The actual copy of Heatherton's policy can be obtained on the day of your visit