

## WALK TO BLACK WOOD RISK ASSESSMENT FORM

<b>Location:</b> Crosby School to Black Wood			<b>Risk Assessment No:</b> I		<b>Assessor:</b> Vicki Pattinson	
<b>Signed:</b>			<b>Date of Assessment:</b> 02.09.2014		<b>Distribution:</b> all participating staff	
<b>Activity:</b> Walk from School site to Black Wood via footpaths and pavements. Distance = 1.6miles each way.			<b>Date of Review:</b> 02.09.2014		<b>Next Review Date:</b> 02.09.2015	
Hazard	Risk	Individuals at risk	Risk Low Medium High	Control Measures (Current)	Control Measures (Additional – Proposed)	Residual Risk Low Medium High
Walking along footpath school to High Crosby	Death / serious injury if fall into road as vehicle passing.	All pupils + staff	High	Pupils to walk no more than 2 abreast on the pavement. Adults to be interspersed at regular intervals amongst pupils.	Staff and pupils to wear high viz jackets	Medium
Crossing road at High Crosby.	Death / serious injury if step into road as vehicle passing.	All pupils + staff	High	Pupils to stand with toes on kerb with adult at each end of line and adults at frequent intervals amongst children. Adults to assess safety to cross and all pupils to cross in one line with adults wearing high viz jackets in road at either end of line. Regroup on grass / pavement once all pupils have crossed at one time.	High viz jackets, pupils to cross at same time, adults in road to warn traffic.	Medium
Walking along footpaths across fields.	Twisting / spraining ankles; tripping/slipping on uneven/muddy ground.	All pupils + staff	Low	Pupils to have adequate footwear to support feet & cope with mud / uneven surface. Staff to carry first aid box with ice pack in to use if necessary. All staff first aid trained.		Low
Cattle in field.	Death/serious injury if cattle startled or aggressive through trampling or kicking	All pupils + staff	High	Pupils to walk quietly and closely together in single file as close to fence as possible when traversing field. Adults to be interspersed at regular intervals amongst pupils. Students advised prior to entering field that no horseplay is admissible (be quiet, quick and stay alert) near cattle.	Staff to call the farmer to find out if there are cattle in the field. Alternative route planned if necessary.	Medium
Going through gates.	Trapping of fingers in gate catches / locks. Gate dropping onto leg/foot if	All pupils + staff	Low	Pupils not allowed to open/close gates. This to be done by an adult. Pupils to remain away from gate during opening and closing process and only proceed through when told to do so.		Low

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<b>Hazard</b>	<b>Risk</b>	<b>Individuals at risk</b>	<b>Risk</b> Low Medium High	<b>Control Measures (Current)</b>	<b>Control Measures (Additional – Proposed)</b>	<b>Residual Risk</b> Low Medium High
	not supported fully on hinges.					
Climbing over stile.	Pupils fall as getting on/off stile & sustain injuries from the fall.	All pupils + staff	Medium	Pupils to 'spot' each other as they cross the stile. Always have an adult present at the stile as pupils are going over it.		Medium.
Crossing the golf fairway	Pupil / adult hit by golf ball.	All pupils + staff	Medium	Golf club to be informed of proposed visit to woods and that pupils/staff will be crossing the fairway @ 10am and @ 2.30pm.		Medium

**Additional Notes and further action required:**

**Adults to accompany group of 28 pupils are:**

**\*Mrs V Pattinson (paediatric first aid trained + Forest School first aid trained)**

**\*Teaching staff to carry mobile phones and to contact school in an emergency.**

**School tel. number 01228 573632**

**Golf club tel no. 01228 573003**

	Hazard	Persons at risk	Existing preventative Measures	Probability	Severity	Rating	What measures need to be taken	By Whom
1	Weather	The group and leaders/adults	A general welfare and weather risk assessment has been completed	4	1	4	Explain what the group has to do in case of bad weather. Check the children are appropriately dressed before setting off.	Leader adults
2	High winds	The group and leaders/adults	The weather is checked in the days preceding the visit. The Beaufort scale is used to determine the wind strength and category. Wind between 25-30mph (39-49kmph) is considered a strong breeze and this is grounds for cancellation	2	4	8	The decision will be made before leaving school and activities will be adapted to be carried out in the school grounds. If the wind unexpectedly changes during the day, decisions will be made at the time.	Leader
3	Inappropriate footwear and clothing	The group and leaders/adults	A list of appropriate clothing and footwear is given to carers prior to the sessions each block. A supply of spare clothes are available if necessary.	4	2	8	A decision will be made to postpone the visit if the group have inappropriate clothing (Or arrangements made to leave members of the group in school).	Leader and adults
4	General health and welfare	The group and leaders/adults	Ensure the group are safe during activities by giving clear advice. Management of the group is thorough. The group have regular drinks and food breaks.	1	4	4	Have a list of food allergies in the appropriate box.	Leader and adults
5	The sun	The group and leaders/adults	Sun advice is given before the sessions. The group should have appropriate clothing but long sleeves and trousers are required during all sessions. The group leader can carry sun cream but the children must have consent to apply this themselves.	2	2	4	Group advised to wear suitable clothing prior to the visit.	Leader and adults
6	Medical problems	The group and leaders/adults	All of the group will have signed a consent form with emergency contacts in school. This will be collated into a medical information list which can be referred to. It is located with the first aid kit. There	3	3	9	The leader will keep a medical list and contact information.	Leader and adults

			will always be a trained first aid person on site.					
7	Accident/health problems occurring	The group and leaders/adults	Leader trained in outdoor first aid. Hazard perception and carry first aid kits and shelters. Mobile phones will be carried by adults. Leaders to carry medical list and contact information for the group.	2	5	10	The leader has the responsibility to take control of the situation and delegate tasks if necessary.	Leader and adults
8	ratios	The group and leaders/adults	For offsite visits the following minimum ratios apply, N-1:2/3, R=1:3/4, Y123=1:6, Y456=1:10. Depending on potential hazards, plus an extra adult in case of emergency. Adults who have not been CRB checked should not have unsupervised access to pupils.	2	5	10	Ensure that there is sufficient adult:child ratio before setting off.	Leader and adults

**Description of the site.****Owner: Eden Golf Course**

The wood is approximately 3 acres. It is predominantly larch trees with an area of silver birch.

Debris: There is always some debris or litter blown onto the site, the site manager regularly clears any fallen trees or fells any trees which are deemed unsafe.

Animals: There is evidence of woodland animals including badgers, red squirrels and foxes. The badger set area is cordoned off with red rope.

Flora: There is a variety of woodland plants including wood sorrel, brambles, fern and Himalayan balsam. The ground is covered with fallen larch needles and other leaves. The soil is not peat based.

Access: Access is via a locked gate for which there is a code.

Vehicles: On the walk to the woods, there is a portion of pavement and road. Rarely, the site manager will use a quad bike but this takes place on the lonning which is not within the boundaries.

Water: Depending on season there can be large puddles of standing water which can get to approximately 1ft deep. There is a pond on site which is not within the boundaries but is sometimes accessed for supervised activities.

Telephone Access: Mobile phone coverage is good.

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1	Vehicles and Access	The group and leaders/adults	There is an appropriate ratio of adults:children on the walk to the woods. Locked gates to access the site. Children supervised at all times.	2	4	8	Explain to the group what they have to do on the walk to the woods. A responsible adult should always lead the way and adults to supervise at all times.	Leader adults
2	Litter and debris Cut Trip Entrapment Suffocation	The group and leaders/adults	Bags taken to the site to collect litter. Minimal litter on the site. Barbed wire on the 'top' boundary. This is avoided.	3 2 2 1	3 2 2 5	9 4 4 5	Boundaries set so the group don't venture near any dangers. Leader to ensure the group understand the dangers through the daily safety talk.	Leader
3	Paths and Track	The group and leaders/adults	Walk through field can get muddy. There are also styles to navigate with adult help The paths are well established and fairly even. A few small stumps could cause trip hazards. Path kept clear of debris.	2	2	4	The leader will guide the children on an appropriate path and warn of any obstacles/water logged paths prior to setting off. Ensure people take care and don't run. Monitor impact on the paths and tracks, weekly.	Leader and adults
4	Exposed roots and other hazards off the main path. Trip Slip	The group and leaders/adults	Main hazards; dead wood, debris, roots and brambles. Sloping areas of ground that can be muddy.	3 4	2 2	6 8	Leader to guide the children if going off path. Leader to assess safety and appropriateness.	Leader and adults

5	Holes, animals burrows, ditches. Falling Getting Trapped	The group and leaders/adults	Badger sets are cordoned off so children avoid these holes. Stack of logs which could cause a trapping hazard.	1 3	3 3	3 9	The group are advised to inform the leader if they discover any dangers and move away carefully.	Leader and adults
6	Broken Fences and boundaries. Cut Tripping Entrapment	The group and leaders/adults	The boundaries are marked by paths and high-viz jackets mark dangers. Wire fences are monitored. 'top' boundary has parts of the fence not intact so barbed wire is present.	2 2 2	3 3 3	6 6 6	The leader explains the boundaries during the safety talk and any new comers will be taken on a boundary walk. Wire cutters will be used to remove the exposed parts of wire.	Leader and adults
7	Low branches Banging head Poking in eyes	The group and leaders/adults	Holly trees are predominantly the only low branches.	1 3	4 4	4 12	Safety talk includes how we move past low branches. Immediate area will be monitored.	Leader and adults
8	Dead Trees and branches	The group and leaders/adults	Any fallen trees are cleared by the land owner. Branches can be on the ground and the location of these are monitored	2	4	8	The group will make sure that they are aware of how to move around the site safely. Safety talk, weekly	Leader and adults
9	Cows	The group and leaders/adults	Cows can be, on occasion on the walk to the woods.	1	4	4	The farmer is called on the day to check whether it is safe to access the field and alternative arrangements can be made. The group are encouraged to keep calm if cows are encountered and alternative routes will be taken.	Leader and adults
10	Members of the public Interference Abduction Attack	The group and leaders/adults	Leader ensures that the correct ratios to children is met (depending on the age of the children). No child will be unsupervised and will be observed at all times.	2	5	10	The group will be made aware of stranger danger and procedures will be followed to prevent interference from the general public. (Members of the public are rarely seen in the woods)	Leader and adults

	Hazard	Persons at risk	Existing preventative Measures	Probability	Severity	Rating	What measures need to be taken	By Whom
1	Weather Hypothermia Sunburn	The group and leaders/adults	A general welfare and weather risk assessment has been completed	4	1	4	Explain what the group has to do in case of bad weather. Check the children are appropriately dressed before setting off.	Leader adults
2	Woodland site Slips Trips Bangs	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.	2	4	8	The group will be made aware of the aspects highlighted in the site risk assessment.	Leader
3	Lifting materials Back injury Muscle and strain	The group and leaders/adults	Lifting procedures are implemented and discussed.	1	4	4	The group are given a safety talk and how to carry and lift objects is explained.	Leader and adults
4	Insects and plants Stings Anaphylaxis	The group and leaders/adults	Avoid area where there are stinging insects and plants.	4	1	4	Explain that there are animals and plants that sting and areas to avoid.	Leader and adults
5	Litter and debris cuts	The group and leaders/adults	The area has been monitored for litter and debris and any maintenance carried out.	3	2	6	The group know the hazards of handling litter and inform the adult if it needs to be removed.	Leader and adults
6	Uneven ground Trips Slips falls	The group and leaders/adults	The activities have their own risks which are considered and noted on planning.	3	3	9	The group know the procedure for moving through the woodland and are reminded of this before activities.	Leader and adults
7	Low branches and trees Bangs Eye injuries	The group and leaders/adults	Areas of dense woodland are avoided and goggles worn if necessary.	3	3	9	The group are aware of the dangers of low branches and move around appropriately.	Leader and adults
8	Dog faeces Infection disease	The group and leaders/adults	Avoid areas where dogs are walked. Monitor the site for any faeces and remove.	1	2	2	Make the group aware of the dangers. Leaders to have a disposal method at hand.	Leader and adults
9	Lifting and swinging sticks bangs	The group and leaders/adults	The group are shown how to lift and carry sticks carefully.	3	3	9	The leader will step in when branches are not being handled safely.	Leader and adults
10	Fungus	The group and leaders/adults	Areas where there are high numbers of fungi will be avoided.	3	2	6	Groups learn to avoid fungi and are shown pictures of some fungi so they can avoid them.	Leader and adults

11	Toxic plants	The group and leaders/adults	Areas where there are high numbers of fungi will be avoided.	3	2	6	The group will wash their hands before eating food and will not put things near their mouth that they find.	
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2	High winds	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.	2	4	8	The decision will be made before leaving school.	Leader
3	Fire & heat	The group and leaders/adults	burning to skin & clothes	3	4	12	Supervision of the fire, one person to be sat beside fire at all times while alight or hot embers remain, to ensure children do not have unsupervised access. Children will be given rules and safety advice and dangers of fire prior to visiting the fire. First aiders and first aid box will be available. Fire proof gloves within easy reach.	Leader and adults
4	Fire out of control	The group and leaders/adults	as above and damage to area.	2	4	8	As above Fire will be in a soil pit surrounded by stones to prevent the fire escaping the area. Fire area will be away from buildings. The fire will not be under overhanging trees which may catch alight. A good supply of water will be available to put out flames and dampen heat. A fire blanket will be available to wrap around person who may be alight.	Leader and adults

5	Falls into fire	The group and leaders/adults	burning to skin & clothes	2	5	10	As above Children have a safety brief before entering the fire pit area. No walking between the seats and fire allowed. When cooking etc. everyone at fire should be on one knee to remain stable. Maximum of 4 people at fire (inc. adults).	Leader and adults
6	Smoke	The group and leaders/adults	inhalation, irritation	4	2	8	The position of the fire will be away from buildings. The wind direction will be constantly assessed and children advised to move safely out of smoke direction. Dry suitable wood used to prevent excess smoke. Use clear goggles if needed.	Leader and adults
7	Heat from hot embers.	The group and leaders/adults	burning to skin & clothes	2	3	6	When the fire activity is finished the embers will be dampened and cooled with water and spread out with a spade.	Leader and adults

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2	High winds	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.	2	4	8	The decision will be made before leaving school.	Leader
3	Food preparation area	The group and leaders/adults	The area is kept off the ground and antibacterial wipes are used to disinfect the 'table'. No raw meat is used in the woods.	4	2	8	The group is to keep the work area clean and use separate chopping boards for the vegetables, cheese etc.	Leader and adults
4	Handling of tools Cuts	The group and leaders/adults	The children are to be guided in how to use the knives, graters and tin openers. Risk assessment for handling tools should be referred to.	4	3	12	The group are instructed in safe tool practice.	Leader and adults
5	Hygiene contamination	The group and leaders/adults	Hand washing using warm running water (from a bottle) and antibacterial handwash. Gel is also available.	2	3	6	The group wash their hands regularly throughout the food preparation.	Leader and adults
6	Food storage	The group and leaders/adults	Food is stored in covered boxes. Any food that needs kept cool will be stored in a cool bag with ice packs and a thermometer.	2	2	4	Any unused food is stored at school in sealed boxes.	Leader and adults
7	Dietary requirements Allergies	The group and leaders/adults	A list of allergies is kept by the leader.	2	3	6	A list kept by leader and updated regularly.	Leader and adults

Woodland Risk Assessment: Using rope and string

Location: Black Wood

Assessor: Vicki Pattinson

Date: 4.9.2014

Review Date: 19.7.2015

	Hazard	Persons at risk	Existing preventative Measures	Probability	Severity	Rating	What measures need to be taken	By Whom
1	Weather Hypothermia Sunburn	The group and leaders/adults	A general welfare and weather risk assessment has been completed	4	1	4	Explain what the group has to do in case of bad weather. Check the children are appropriately dressed before setting off.	Leader adults
2	Woodland site Slips Trips Bangs	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.	2	4	8	The group will be made aware of the aspects highlighted in the site risk assessment.	Leader
3	Visibility	The group and leaders/adults	Rope that is used to span trails needs to be highly visible so as to cause a hazard.	3	3	9	Other objects that hang from the rope can decrease the risk.	Leader and adults
4	Rope burn	The group and leaders/adults	Gloves are to be worn when pulling on ropes.	2	2	4	Activities involving rope pulling will be supervised.	Leader and adults
5	Trip	The group and leaders/adults	Ropes will brightly coloured	1	5	5	Groups will know that they mustn't put ropes where people may trip over them.	Leader and adults
6	Entanglement	The group and leaders/adults	Use of rope follows safety procedures.	1	5	5	Rope safety procedures are followed. Leader carries a knife appropriate for cutting rope efficiently.	Leader and adults
7	Catching neck	The group and leaders/adults	Ropes will be brightly coloured	2	3	6	The group to avoid putting rope at a level where people can walk into them.	Leader and adults
8	Pulleys failing	The group and leaders/adults	All equipment is checked to meet h&s standards.	1	4	4	Leaders will check any pulleys and disuse any which are defective.	Leader and adults

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1	Weather	The group and leaders/adults	A general welfare and weather risk assessment has been completed	4	1	4	Explain what the group has to do in case of bad weather. Check the children are appropriately dressed before setting off.	Leader adults
2	High winds	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.	2	4	8	The decision will be made before leaving school.	Leader
3	Collecting natural materials	The group and leaders/adults	Collecting Natural Materials Risk assessment should be referred to.				The group know the risks of collecting and handling materials	Leader and adults
4	Knots slipping	The group and leaders/adults	Specific knots and lashings are used for larger shelter constructions	1	4	4	The group will be guided in how to tie and lash. This will be taught before assisting in the creation of large shelters.	Leader and adults
5	Shelter collapsing	The group and leaders/adults	The group are instructed as to how to construct their shelters and the most appropriate locations.	3	2	6	The materials and the site should be appropriate to the shelters being made.	Leader and adults
6	Poking eyes on the shelters	The group and leaders/adults	Any sharp points will be monitored to avoid injuries.	2	4	8	The materials being used should be checked for sharp points.	Leader and adults
7	Banging heads on shelters	The group and leaders/adults	The group are aware of how to move around the shelter area. Not running etc.	2	4	8	The group are made aware of the dangers and move around appropriately.	Leader and adults
8	Trip Hazards	The group and leaders/adults	Procedures are followed to ensure equipment being used is stored correctly	2	2	4	Make the group aware of the dangers of equipment not being stored correctly and materials being used safely.	Leader and adults
9	Injury from the use of tools	The group and leaders/adults	The tools risk assessments are referred to and the group are fully aware of how to use the tools appropriately before the session.	1	5	5	The group follow the safe tool use and procedures and ensure proper handling occurs.	Leader and adults
10	Lifting heavy items	The group and leaders/adults	Lifting procedures are followed and medical conditions which may be affected are highlighted.	3	2	6	Group practice lifting techniques and know how to work as a team.	Leader and adults

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2	High winds	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.	2	4	8	The decision will be made before leaving school.	Leader
3	Bow Saw improper use of bow saw falling branches wounds	The group and leaders/adults	Safety talk is given at the beginning of each session. Use of gloves is required on the non-tool hand. Tool talk. Use is closely monitored during the session.	3	3	9	Inform person using bow saw of tool talk (see hand book). No glove needed on hand using tool, glove on non sawing hand. First aiders and first aid kit close by. Tools counted in and out each session. One to one supervision for early years children. Ensure safety of site if using outside of designated tool use area. If sawing branches from a tree ensure no one or property will be hurt or damaged when it falls. Remind others in area to stay clear of tools. Keep blade cover on when not in use and store in tool bag.	Leader and adults
4	Loppers	The group and leaders/adults	Safety talk is given at the beginning of each session. Use of gloves is required on the non-tool hand. Tool talk. Use is closely monitored during the session.	3	3	9	Inform person using loppers of tool talk (see hand book). No glove needed on any hand as both hand will be on the tool. First aiders and first aid kit close by. Tools counted in and out each session. One to one supervision for early years children. Ensure safety of site if using outside of designated tool use area. If lopping branches from a tree ensure	Leader and adults








							no one or property will be hurt or damaged when it falls. Remind others in area to stay clear of tools. when not in use and store in tool bag.	
5	Potato Peeler	The group and leaders/adults	Safety talk is given at the beginning of each session. Use of gloves is required on the non-tool hand. Tool talk. Use is closely monitored during the session.	3	2	6	Inform person using potato peeler of tool talk (see hand book). No glove needed on hand using tool, glove on non whittling hand. First aiders and first aid kit close by. Tools counted in and out each session. One to one supervision for early years children. Ensure safety of site if using outside of designated tool use area. If sawing branches from a tree ensure no one or property will be hurt or damaged when it falls. Remind others in area to stay clear of tools.	Leader and adults
6	Knives	The group and leaders/adults	Safety talk is given at the beginning of each session. Use of gloves is required on the non-tool hand. Tool talk. Use is closely monitored during the session.	3	3	9	Inform person using knives of tool talk (see hand book). Knives use for preparing food. First aiders and first aid kit close by. Tools counted in and out each session. Ensure safety of site if using outside of designated tool use area. Remind others in area to stay clear of tools. Keep blade cover on when not in use and store in utensil box.	Leader and adults
7	Grater	The group and leaders/adults		4	2	8	Inform person using grater of tool talk (see hand book). First aiders and first aid kit close by. Tools counted in and out each session. Ensure safety of site if using outside of designated tool use area. Remind others in area to stay clear of tools.	Leader and adults

8	Hand drill	The group and leaders/adults	Safety talk is given at the beginning of each session. Use of gloves is required on the non-tool hand. Tool talk. Use is closely monitored during the session.	3	3	9	<p>Inform person using hand drill of tool talk (see hand book).</p> <p>No gloves needed both hands are on the tool.</p> <p>First aiders and first aid kit close by.</p> <p>Tools counted in and out each session.</p> <p>One to one supervision for early years children.</p> <p>Ensure safety of site if using outside of designated tool use area.</p> <p>Remind others in area to stay clear of tools.</p> <p>when not in use and store in tool bag.</p>	Leader and adults
9	Hack saw	The group and leaders/adults	Safety talk is given at the beginning of each session. Use of gloves is required on the non-tool hand. Tool talk. Use is closely monitored during the session.	3	3	9	<p>Inform person using hack saw of tool talk (see hand book).</p> <p>No glove needed on hand using tool, glove on non sawing hand.</p> <p>First aiders and first aid kit close by.</p> <p>Tools counted in and out each session.</p> <p>One to one supervision for early years children.</p> <p>Ensure safety of site if using outside of designated tool use area.</p> <p>If sawing branches from a tree ensure no one or property will be hurt or damaged when it falls.</p> <p>Remind others in area to stay clear of tools.</p> <p>when not in use and store in tool bag.</p>	Leader and adults



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1	Weather	The group and leaders/adults	A general welfare and weather risk assessment has been completed				Explain what the group has to do in case of bad weather. Check the children are appropriately dressed before setting off.	Leader adults
2	Woodland site	The group and leaders/adults	Woodland site risk assessment has been completed and should be referred to.				The group will be made aware of the aspects highlighted in the site risk assessment.	Leader
3	Drowning deep water (still)	The group and leaders/adults	The group are given a safety briefing where water is on site and if we carry activities out near water.	2	5	10	The group will be made aware of the forest school safety procedures.  Carry out practical safety briefs in order to allow the children's interest and intrigue in water to be met.	Leader and adults
4	Drowning shallow water (still)	The group and leaders/adults	The group are given a safety briefing where water is on site and if we carry activities out near water.	2	5	10		Leader and adults
5	Drowning streams	The group and leaders/adults	The group are given a safety briefing where water is on site and if we carry activities out near water.	2	5	10		Leader and adults
6	Drowning Rivers	The group and leaders/adults	The group are given a safety briefing where water is on site and if we carry activities out near water.	2	5	10		Leader and adults
7	Getting wet – Hypothermia	The group and leaders/adults	Check weather and take appropriate clothing and equipment (extra layers, waterproofs, tarps). Refer to the general risk assessment.	2	5	10	Consider the weather conditions prior to each visit. Prolonged heavy rain storms or excessive cold will be taken into account both prior and during the visit.	Leader and adults
8	Disease – standing water	The group and leaders/adults	Standing water is assessed and children are given a safety briefing	2	5	10	Groups informed of illness from standing water. (animal urine) Hygiene measures to be taken – washing hands after contact with standing water. Carry out safety talk.	Leader and adults
9		The group and leaders/adults						Leader and adults



Beaufort number (force)	Wind Speed		Wave height (feet)	WMO* description	Effects observed on the sea	Effects observed on land
	knots	mph				
0	under 1	under 1	-	<b>Calm</b>	Sea is like a mirror	
1	1 - 3	1 - 3	0.25	<b>Light air</b>	Ripples with appearance of scales; no foam crests	
2	4 - 6	4 - 7	0.5 - 1	<b>Light breeze</b>	Small wavelets; crests of glassy appearance, not breaking	
3	7 - 10	8 - 12	2 - 3	<b>Gentle breeze</b>	Large wavelets; crests begin to break; scattered whitecaps	
4	11-16	13-18	3½ - 5	<b>Moderate breeze</b>	Small waves, becoming longer; numerous whitecaps	
5	17-21	19-24	6 - 8	<b>Fresh breeze</b>	Moderate waves, taking longer form; many whitecaps; some spray	
6	22-27	25-31	9½-13	<b>Strong breeze</b>	Larger waves forming; whitecaps everywhere; more spray CANCELLATION OF WOODLAND ACTIVITIES	
7	28-33	32-38	13½-19	<b>Near gale</b>	Sea heaps up; white foam from breaking waves begins to be blown in streaks	
8	34-40	39-46	18-25	<b>Gale</b>	Moderately high waves of greater length; edges of crests begin to break into spindrift; foam is blown in well-marked streaks	
9	41-47	47-54	23-32	<b>Strong gale</b>	High waves; sea begins to roll; dense streaks of foam; spray may begin to reduce visibility	
10	48-55	55-63	29-41	<b>Storm</b>	Very high waves with overhanging crests; sea takes white appearance as foam is blown in very dense streaks; rolling is heavy and visibility is reduced	
11	56-63	64-72	37-52	<b>Violent storm</b>	Exceptionally high waves; sea covered with white foam patches; visibility further reduced	
12	64 and over	73 and over	45 and over	<b>Hurricane</b>	Air filled with foam; sea completely white with driving spray; visibility greatly reduced	