### **Hazard**

#### The risk assessment game

The management of risk is a critical part of any safety culture. People are in general not very good at judging risk in the heat of the moment, so it is very important to think about risk in advance of any activity and to plan how it will be controlled.

Risk is made up of two comments likelihood and consequence. A high risk activity may have very serious consequences but happen occasionally, or have moderate consequences and happen frequently.

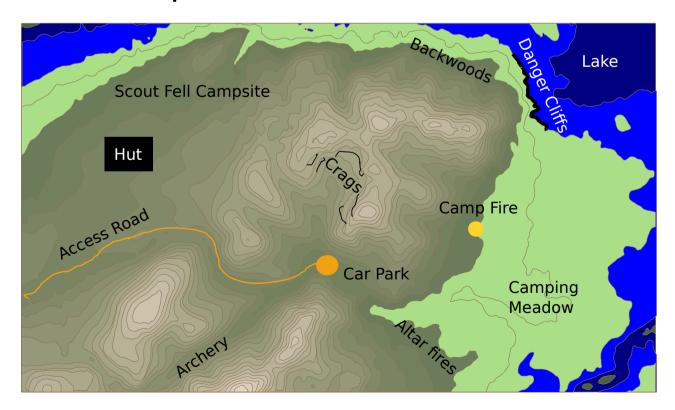
Hazard asks you to think about the consequences and likelihood of hazards associated with some scouting activities which are to take place on at the Scout Fell Campsite in Dangershire (see below). Hazard separates likelihood and consequence and ask you to choose methods of reducing them. In risk assessment we use the ERIC-PD hierarchy of control (Eliminate, Reduce, Isolate, Control, PPE and Discipline) Eliminating the risk is best, giving instructions the worst.

The consequences used in Hazard are A - someone is upset, B- one person injured, C- Several injuries, D - one person hospitalised, E - several people hospitalised, F - one person killed. Consequence are liked to hazards, so free climbing the cliffs with no protection could be fatal, while arriving late is only upsetting.

You should play Hazard in a small group and may decide to have a facilitator to moderate the game and lead the discussion.

You will need one each of the Hazard cards, a copy of the Residual Risk table, and the score sheet. Each team will also need three six sided dice.

#### **Scout Fell Campsite**



A wooded, district, campsite with a climbing area, archer, camp fire circle, backwoods area and permanent altar fires. To the north east is a lake which connects to a river on the east side of the

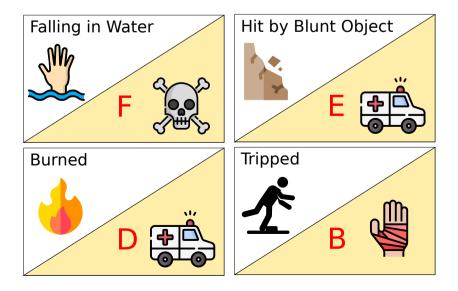
camping meadow. Both the river and lake have some small islands. Near the backwoods area there are some cliffs at the lake edge.

#### Rules:

1. Each team (who are Young Leaders helping run the activities) chooses two activities from these activity cards.



2. Teams then choose up-to three hazards for each activity (discuss which ones apply and which they want to do). Each hazard card, with the exception of "missing equipment" shows the consequence (A-F) associated with the hazard. Missing equipment has a special consequence discussed later.



3. Teams assign likelihood's to each of their hazards, ranging from unlikely (1) to frequently (5). This is a free choice, but it should be reasonable. Place the likelihood card for each hazard card next to the hazard.

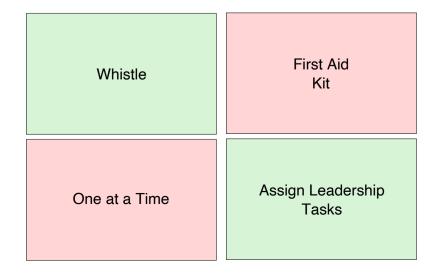


Once we have decided on a consequence and a likelihood we can calculate a risk number for each hazard. This is done using the risk table.

		A	€ <b>W</b> B		D	E	F F
~	1	1	2	ო	4	5	6
000	2	2	4	6	8	10	12
Likelihood	3	3	6	9	12	15	18
⋽	4	4	8	12	16	20	24
	5	5	10	15	20	25	30

The higher the number the worse the risk. We can choose what level of risk is acceptable.

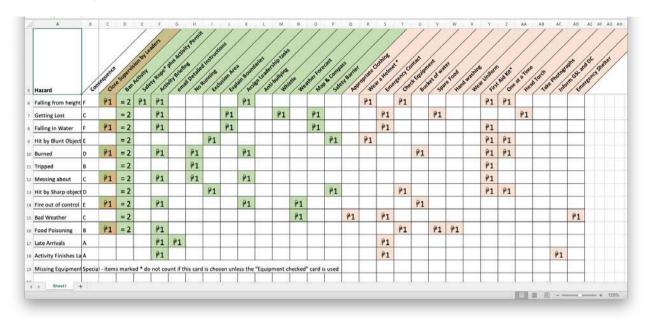
4. Teams now discuss which of the mitigation cards they want to use on the hazards.



Up to three can be used on each hazard. These may either reduce the consequence of the hazard occurring (red cards) or make it more unlikely (green cards).

If the ban is imposed no other mitigation is allowed.

5. Using the score sheet you now calculate the reduction in consequence or likelihood by each mitigation. Each will either have no effect or reduce the consequence or likelihood by one step.



Once this has been done make a note of the residual risk number (using the risk table once again)

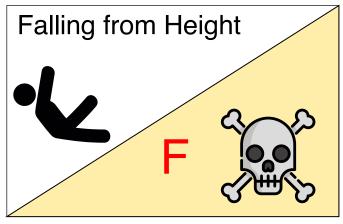
6. Now we simulate the activities. For each hazard roll all three dice and add up the score, if you score more than the risk number everything went well, if you didn't see what happened on the following table:

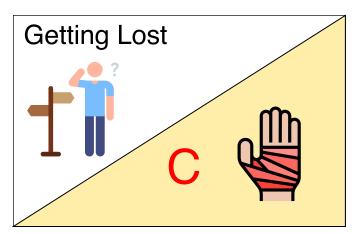
Finally talk about what happened and what other actions you could have taken to reduce the risk, or if you think you were too cautious.

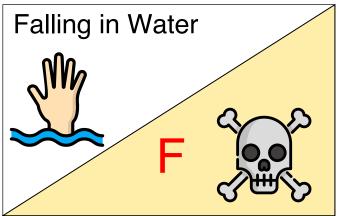
Rolled	Consequence
more	Everything ran smoothly
0 - 2 less	A near miss, something went wrong but no-one was hurt
3 - 5 less	One person was injured
6 - 8 less	Several people were injured
9 - 11 less	One person was taken to hospital
12 - 14 less	Several people were taken to hospital
15 or more less	One person was killed

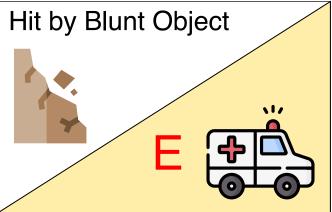
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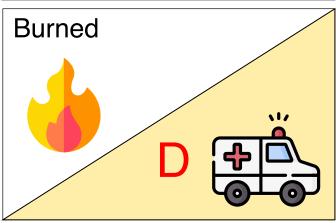


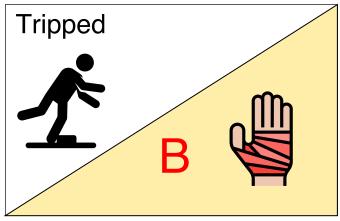


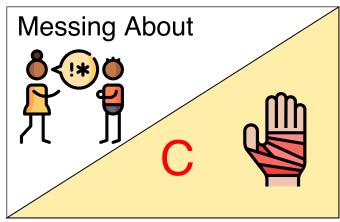


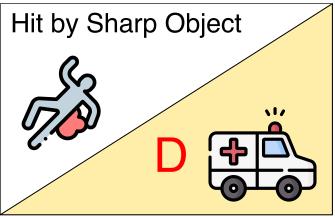


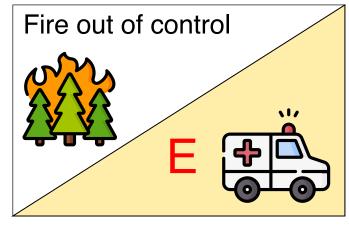


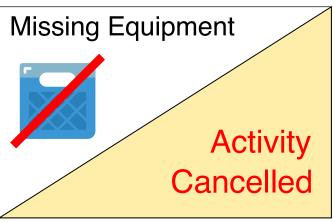


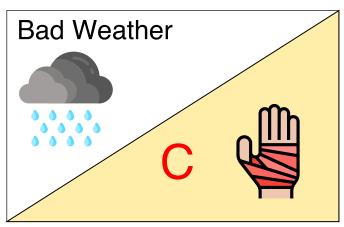


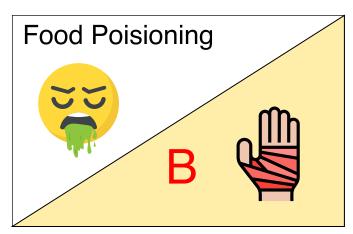




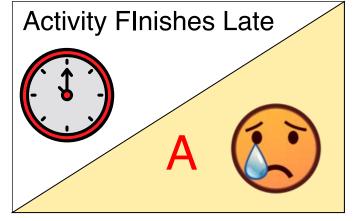












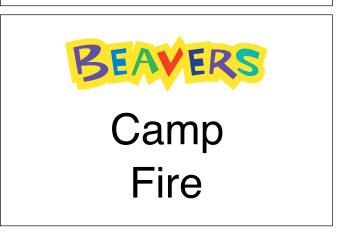
## SCOUTS Go Rock Climbing

# SCOUTS Use Axes





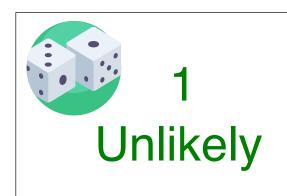




Ban Activity!	Close Supervision by Leaders
Appropriate Clothing	Wear a Helmet
Safety Rope	Activity Breifing
e-mail Detailed Instructions	No Running
Exclusion Area	Explain Boundaries

Emergency Contact	Emergency Shelter
Check Equipment	Assign Leadership Tasks
Bucket of Water	Spare Food
Activity Permit	Hand Washing
Anti-Bullying Policy	Wear Uniform

Whistle	First Aid Kit
One at a Time	Assign Leadership Tasks
Weather Forecast	Head Torch
Map & Compass	Take Photographs
Safety Barrier	Inform GSL and DC





















### Consequence

		A	B		D	E	F
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poou	2	2	4	6	80	10	12
kelit	3	ന	6	9	12	15	18
三	4	4	8	12	16	20	24
	5	5	10	15	20	25	30

Roll 3 Dice.

Compare your total with the risk number

Rolled more Activity ran safely

0 - 2 less Near miss

3 - 5 less One person injured

6 - 8 less Several people injured

9 - 11 less One person hospitalised

12 - 14 less Several people hospitalised

15+ less Someone is killed.

Missing Equipment	ctivity Fi	Late Arrivals	Food Poisoning	Bad Weather	Fire out of control	it by Sha	Messing about	Tripped	Burned	it by Blu	Falling in Water	Getting Lost	Illing fro	Hazard
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