



Risk Matrix	Slightly Harmful	Harmful	Extremely Harmful
Unlikely	Low	Low	Medium
Likely	Low	Medium	High
Highly likely	Medium	High	High

Risk Assessment – Water Cycle

Produced By:	C Nixon	Date of Issue:	11/02/18	Review Date:	1/1/21
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Operating Notes:

- Supervision ratio is 1 instructor to 1 class plus one additional instructor nearby. There is no requirement for an additional adult.
- Instructor to be trained to in-house syllabus. Refresher training as directed by session observations.

Risk – Benefit Statement: Pupils are learning the importance of having access to treated water for health and hygiene. Washing hands after handling rain water is part of this. Hands on, large scale experimentation with water in flow experiment brings learning to life.

Hazard Description and activities giving rise to risk	Who may be harmed	Control Measures	Risk Rating
Bumps - water cycle game	Participants	<ul style="list-style-type: none"> • Tell pupils to walk • Tell pupils to be aware of others • Remove pupils from game if they don't follow guidance 	low
Strangulation from medals -water cycle game	Medal wearers	<ul style="list-style-type: none"> • Choose well behaved pupils to wear medals • Game is always fully supervised 	low

Bumps from transporting guttering	All	<ul style="list-style-type: none"> ● The instructor will transport the lengths of guttering to the experiment site by hand or in the trolley ● The instructor will tell pupils to be aware of pupils around them when moving the guttering 	low
Insect stings-flow experiment	All	<ul style="list-style-type: none"> ● Check sandy hills where flow experiment takes place before school arrives to ensure stinging insects haven't chosen the area to build nest ● Check booking form for allergy information 	low
Litter/ dog faeces-flow experiment on public nature reserve	Participants	<ul style="list-style-type: none"> ● Ensure area is clear from any harmful matter before school arrives ● Ensure pupils wash their hands with warm soapy water after activity 	low
Water borne diseases -flow experiment	Participants	<ul style="list-style-type: none"> ● Ensure no-one handles rain water with open cuts or sores on hands or arms ● Everyone will wash hands with warm soapy water after handling rain water 	low
Slips, trips & falls Dogs Public Flow experiment on the nature reserve	All	<ul style="list-style-type: none"> ● Instructor leads the way, pupils walk behind, with member of staff at end of line ● Pupils told not to talk to public ● Pupils told not to stroke dogs, we stand still & wait for owner to put dog on lead ● Pupils warned of hazards: rabbit holes and told not to climb too high on hills ● Groups of pupils assigned an adult to stay in sight of at all times 	low
First Aid Emergencies		<ul style="list-style-type: none"> ● Take radio and general first aid kit 	
Weather Conditions		<ul style="list-style-type: none"> ● The lead instructor will review the risk assessment in view of the weather on the day. ● The instructor will make any changes should weather conditions change during the activity 	