



|               |                  |         |                   |
|---------------|------------------|---------|-------------------|
| 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: | 1/9/21 |
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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 |
|---|-------------------|---|-------------|
| <b>Bumps - water cycle game</b>                       | Participants      | <ul style="list-style-type: none"> <li>• Tell pupils to walk</li> <li>• Tell pupils to be aware of others</li> <li>• Remove pupils from game if they don't follow guidance</li> </ul> | low         |
| <b>Strangulation from medals -water cycle game</b>    | Medal wearers     | <ul style="list-style-type: none"> <li>• Choose well behaved pupils to wear medals</li> <li>• Game is always fully supervised</li> </ul>  | low         |

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