



PowerNet Bright Sparks tips are designed to help students understand electricity and how to be electricity safety conscious.

Question : Water and Electricity Don't Mix – Why?

Answer:

- Water is a good conductor of electricity. A person with wet hands and feet, who is exposed to electrical circuits, is at an increased risk of being injured.
- Using electrical equipment or appliances in wet locations requires special precautions and the use of specialized equipment such as Residual Current Devices (RCDs). Always check with an adult before using anything electrical around water or wet ground.
- A person who is standing in water and who makes contact with an electrical circuit or panel could receive a fatal electrical shock.
- Water rising above the level of electrical equipment or appliances could become energized creating a hazard for anyone stepping into the water.
- In a flooding situation, the main power switch at the switchboard should be turned off. However this should not be done if the switchboard cannot be reached without stepping in water. Contact PowerNet's System Control Room 0800 808 587 to have the power disconnected from outside the home.
- Flood waters may cause damage to power poles and equipment. Stay a minimum of 30 metres away from any downed wires and/or equipment and contact PowerNet's System Control Room 0800 808 587 immediately.



Be safe, be aware!