



River Hill Federation Heat Wave Risk Assessment

During this period of very hot weather, we are already taking actions to protect children and staff. The Met Office has issued a rare **Red Extreme Heat Warning (High Likelihood of High Impacts)** at the beginning of the week beginning 18th July to cover the potential impacts from the high temperatures, including a danger to life. These could include **health impacts** on the most vulnerable in our society, including those with pre-existing medical conditions such as cardiovascular and respiratory diseases, but it can also lead to heatstroke and heat exhaustion even on those who are normally fit and healthy.

Should the temperature further rise as predicted, in response to the additional risks from this heat, we are taking the following measures, some of which are already in place:

- children will not take part in vigorous physical activity
- when children are outdoors, they will be encouraged to stay in the shade as much as possible
- children should wear loose, light-coloured clothing (including their PE kit if they wish, or another plain t-shirt and their PE shorts) to help keep cool, and sunhats with wide brims to avoid sunburn
- parents are encouraged to apply sunscreen (at least factor 30 with UVA protection) before children come to school. Children can bring sunscreen to school to top up in the day. Early years staff will support children to reapply before lunchtime.
- children will have access to plenty of water and be encouraged to drink more than usual
- staff are encouraged to wear loose, light-coloured clothing to help keep cool and encouraged to drink more water than usual
- Those children with sunhats must be reminded to wear them outside

Which children are likely to be most affected by high temperatures?

Children's susceptibility to high temperatures varies.

- Those who are overweight or who are taking medication may be at increased risk of adverse effects
- Children under 4 years of age are also at increased risk
- Some children with disabilities or complex health needs may be more susceptible to temperature extremes

Which adults are likely to be most affected by high temperatures?

Some members of staff may be more susceptible to heat stress due to an illness/condition or medication that they are taking e.g. those with heart conditions.

Staff should inform the Head of School or Executive Head Teacher if they have a history or are concerned that they are at higher risk of heat stress.

Most of the actions listed below will also help protect adults.

Within the school we:

- reduce the time children are outside
- open windows as early as possible in the morning before children arrive to allow stored heat to escape from the building
- almost close windows when the outdoor air becomes warmer than the air indoors – this should help keep the heat out while allowing adequate ventilation (at RPS the new air filtration systems in class do this automatically).
- close indoor blinds, but do not let them block window ventilation. At RPS The blinds do not cover the windows that allow circulation and air, as they have a filtered screen.
- keep the use of electric lighting to a minimum
- switch off all electrical equipment, including computers, monitors and printers when not in use – equipment should not be left in 'standbymode' as this generates heat
- where possible, use spaces which are less likely to overheat, and adjust the layout of teaching spaces to avoid direct sunlight on children
- encourage children to eat normally and drink plenty of cool water. Teachers should ensure that for the next 2 days they have drink breaks every hour at a minimum. Water bottles should be kept on tables.
- Sunhats and or visors to be worn outside
- expect to stay open

Health risks from heat

Children cannot control their body temperature as efficiently as adults during hot weather because they do not sweat as much and so can be at risk of ill-health from heat. Heat-related illness can range from mild heat stress to potentially life-threatening heatstroke. The main risk from heat is dehydration (not having enough water in the body). If sensible precautions are taken children are unlikely to be adversely affected by hot conditions, however, teachers, assistants, school nurses and all child carers should look out for signs of heat stress, heat exhaustion and heatstroke.

Heat stress

Children suffering from heat stress may seem out of character or show signs of discomfort and irritability (including those listed below for heat exhaustion). These signs will worsen with physical activity and if left untreated can lead to heat exhaustion or heatstroke.

Heat exhaustion

Symptoms of heat exhaustion vary but include one or more of the following:

- tiredness
- dizziness
- headache
- nausea
- vomiting
- hot, red and dry skin
- confusion

Heatstroke

When the body is exposed to very high temperatures, the mechanism that controls body temperature may stop working. Heatstroke can develop if heat stress or heat exhaustion is left untreated, but it can also occur suddenly and without warning.

Symptoms of heatstroke may include:

- high body temperature – a temperature of or above 40°C (104°F) is a major sign of heatstroke

- red, hot skin and sweating that then suddenly stops
- fast heartbeat
- fast shallow breathing
- confusion/lack of co-ordination
- fits
- loss of consciousness

Actions to protect children suffering from heat illness

The following steps to reduce body temperature should be taken immediately:

1. Move the child to as cool a room as possible and encourage them to drink cool water (such as water from a cold tap).
2. Cool the child as rapidly as possible, using whatever methods you can. For example, sponge or spray the child with cool (25 to 30°C) water – if available, place cold packs around the neck and armpits, or wrap the child in a cool, wet sheet and assist cooling with a fan.
3. Dial 999 to request an ambulance if the person doesn't respond to the above treatment within 30 minutes.
4. If a child loses consciousness, or has a fit, place the child in the recovery position, call 999 immediately and follow the steps above until medical assistance arrives.

Government guidance about actions in response to a heatwave:

- [Heatwave Plan for England: Protecting health and reducing harm from severe heat and heatwaves \(publishing.service.gov.uk\)](https://www.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/672127/heatwave-plan-for-england-protecting-health-and-reducing-harm-from-severe-heat-and-heatwaves.pdf)
- <https://www.gov.uk/government/publications/heatwave-plan-for-england/looking-after-children-and-those-in-early-years-settings-during-heatwaves-for-teachers-and-professionals>
- <https://www.nhs.uk/live-well/seasonal-health/sunscreen-and-sun-safety/>

General key public health messages

- Stay out of the heat:
 - keep out of the sun between 11am and 3pm
 - if you have to go out in the heat, walk in the shade, apply sunscreen and wear a hat and light scarf
 - avoid extreme physical exertion
 - wear light, loose-fitting cotton clothes
- Cool yourself down:
 - have plenty of cold drinks, and avoid excess alcohol, caffeine and hot drinks
 - eat cold foods, particularly salads and fruit with a high-water content
 - take a cool shower, bath or body wash
 - sprinkle water over the skin or clothing, or keep a damp cloth on the back of your neck
- Keep your environment cool:
 - keeping your living space cool is especially important for infants, the elderly or those with chronic health conditions or who can't look after themselves
 - keep windows that are exposed to the sun closed during the day
 - turn off non-essential lights and electrical equipment – they generate heat
- Be alert and call a doctor if someone is unwell or further help is needed If someone has a health problem