

Safety Awareness and Fire Education - Gloucestershire Lesson Plan - 'Hot and Cold'

Class	Reception
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Topic:	Hot and Cold
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Aim:	To learn the difference between hot and cold and that hot items can sometimes be useful but also dangerous.
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Safety Objectives	Prevention	Recognise hot and cold things around the home and potential dangers.
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Early Learning Goals	Knowledge and understanding of the World	To investigate subjects and materials by using all their senses as appropriate.
	Knowledge and understanding of the World	To find out about and identify some features of living things, objects and events they observe.
	Personal, social and emotional development	To respond to significant experiences, showing a range of feelings when appropriate.
	Personal, social and emotional development	To have a developing awareness of their own needs, views and feelings and be sensitive to the needs, views and feelings of others.
	Personal, social and emotional development	To consider the consequences of their words and actions for themselves and others.

Minimum activity:	Sort hot and cold pictures and discuss how hot items can be dangerous
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Activities		Required as a minimum activity?	Activity notes available
1	Sorting pictures into hot and cold	✓	✓
2	Discussing how hot can be dangerous	✓	✓
3	Sorting into safe to touch and not safe to touch	✓	✓
4	Colouring in hot items in a room		
5	Hot rules		
6	Fire safety lotto		✓

NB- Activities 1,2 and 3 can be combined into one activity.

Activity 1	Sorting Pictures into hot and cold – minimum activity	
Working	Whole class or small groups	
Resources	Options of delivery, will require one of the options below: <ul style="list-style-type: none"> • A4 hot and cold cards • Small hot and cold cards • Interactive whiteboard and disc 	
Notes	Activity Notes available. Please note that if you are using the interactive game on the computer, once you have moved the picture to the bucket you will not be able to look at it again, however you could then use the laminated pictures to refer to. It is not necessary to use every picture.	
Timings	20 – 30 minutes (depending on how many pictures you use and combine with Activity 2&3)	
Preparation	Option 1 Big Pictures	Designate ‘Hot’ and ‘Cold’ areas, e.g. different desks or places to stick pictures
	Option 2 a and b Small pictures as class	Designate ‘Hot’ and ‘Cold’ areas such as a desk or hoops
	Option 3 Computer	Set up game on computer and white board
Plan		
	Ask the children if they can name some hot and some cold things. Explain that you are going to sort some pictures into ‘hot’ or ‘cold’ The children can be asked to call out or act out hot or cold e.g. shivering.	
Option 1	Hold up a picture and ask the children if it is ‘hot’ or ‘cold’. Sort into designated area.	
Option 2a	Give each child a small picture. Ask them to think about whether it is hot or cold. Everyone then places his or her picture in the designated area.	
Option 2 b	Give each child a picture to hold. Ask them to hold it up in turn and say if it is hot or cold. Place in the designated area.	
Option 2 c	Children work in groups. Give each group a collection of pictures. Ask them to sort them into ‘hot’ and ‘cold’.	
Option 3	Play the interactive ‘hot and cold’ game on the computer disc.	

Activity 2	Discussing how hot can be dangerous - minimum activity	
Working	Whole class	
Resources	Options of delivery, will require one of the options below: <ul style="list-style-type: none"> • A4 hot and cold cards • Small hot and cold cards • Interactive whiteboard and disc 	
Notes	Activity Notes available. It is not necessary to use every picture. Please note that if you are using the interactive game on the computer, once you have moved the picture to the bucket you will not be able to look at it again, however you could then use the laminated pictures to refer to.	

Timings	20 – 30 minutes (depending on how many pictures you use and combine with Activity 2&3)
Preparation	Have undertaken Activity 1 or combine into Activity 2
Plan	
Option 1	Select a number of 'hot' pictures. As a class discuss how they could be useful. Discuss how they could be dangerous. Discuss how we could keep safe.
Option 2	As each 'hot' picture is looked at in Activity 1, discuss how it could be dangerous.

Activity 3	Sorting into safe to touch and not safe to touch	
Working	Whole class or small groups	
Resources	Options of delivery, will require one of the options below: <ul style="list-style-type: none"> • A4 hot and cold cards • Small hot and cold cards • Interactive whiteboard and disc 	
Notes	Activity Notes available. It is not necessary to use every picture. Please note that if you are using the interactive game on the computer, once you have moved the picture to the bucket you will not be able to look at it again, however you could then use the laminated pictures to refer to.	
Timings	20 – 30 minutes (depending on how many pictures you use and combine with Activity 2&3)	
Preparation	Have undertaken Activity 1 and 2 or combine into Activity 2 NB It is not necessary to use every picture.	
	Option 1 Big pictures	Have a 'safe' area and a 'not safe' area
	Option 2 Small pictures as a class	Have a 'safe' area and a 'not safe' area
Plan		
	Discuss how some of the items are 'safe' and it is ok to touch them but some are 'not safe' and we should not touch them, (some we can touch if an adult is there to help).	
Option 1	Hold up a section of the big pictures and ask if they are safe to touch or not safe. Discuss how they could hurt, but by not touching (or only with a adult to help) we will be safe. Place in designated area.	
Option 2	Give each child a picture. Ask each child to hold up the picture and decide if it is safe or not safe Discuss how they could hurt, but by not touching (or only with an adult to help) we will be safe. Place in designated area.	

Activity 4	Colouring hot items in a room
Working	Individuals
Resources	<ul style="list-style-type: none"> • Copy of kitchen or lounge worksheet per child • Crayons - including red
Notes	
Timings	
Preparation	Have undertaken activity 1 and 2 Photocopy worksheets

Plan	
	Re-cap on how some items can be hot and dangerous. Give each child a worksheet. Ask them to spot and colour in red any hot and dangerous items in the room.

Activity 5	Hot Rules
Working	Whole class
Resources	A4 hot and cold cards Physical items you may have access to e.g. kettle, mug of tea, box of matches, etc, which can be used to illustrate which items, are not safe to touch.
Notes	
Timings	10 – 15 minutes (depending on how much detail/ how many items looked at)
Preparation	Have undertaken activity 1,2 and 3.
Plan	
	Re-cap that some things are hot and can hurt us. Discuss that we can keep safe by doing or not doing something. As a class think of some rules that can keep us safe from hot things. e.g. Not touching..... cookers, kettles etc Never touching matches and lighters Keeping away from heaters and fires Keeping toys away from heaters and fires Not playing in the kitchen near cooking Stick up or draw a picture of item up with ' X ' to indicate these items are not safe to touch. NB you may wish to refer back to these rules following the other lessons for example the big story and Frances refer to touching matches.

Activity 6	Fire safety Lotto
Working	Whole class split into individuals or groups or pairs
Resources	• Lotto sheets per child or group or pair • Item to cover 9 square per child or group or pair • List of items for teacher
Notes	Activity Notes available. This activity can be kept and played at a later date, for example after a visit by GFRS.
Timings	Activity can be stopped whenever you wish.
Preparation	Have undertaken activity 1, 2 and 3
Plan	
	Each child/ group/ pair is given a lotto card and 9 items to cover each picture The teacher reads out a description of the item from the activity notes sheet given, in a random order. (Hot and Cold Activity Notes Activity 6) If the child has that item on their sheet they cover it up. The teacher then reads out and discusses the teaching point. The winners are the first group to cover all 9 pictures.

Safety Awareness and Fire Education - Gloucestershire
 Reception
 Hot and Cold Lesson – Resources and Worksheets

Class	Reception		
Topic:	Hot and Cold		
Activity	Item	Reusable resource or worksheet?	Location
Activity 1,2 & 3:	A4 sized hot and cold cards Small sized hot and cold cards	Reusable resource Reusable resource	In resources folder and on disc On disc only
Activity 4:	Kitchen and Living Room Colouring sheet	Worksheet to photocopy	Following pages and on disc
Activity 6:	Fire Safety Lotto sheets	Reusable resource	On disc only

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Activity Notes- Hot and Cold Activities 1,2 & 3

Class	Reception
Topic:	Hot and Cold

Activity:	<p>1 - Sorting pictures into 'hot and 'cold'</p> <p>2 - Discussing how 'hot' can be dangerous</p> <p>3 - Safe or not safe to touch</p>
Over view of activity	<p>Look at each picture and decide if it is hot or cold.</p> <p>Some items, such as the radiator, depend if it is turned on or off.</p> <p>After sorting the pictures into 'hot' and 'cold', discuss how the hot items can be useful but also dangerous.</p> <p>This can then lead on to discuss how we can keep safe from these items that can hurt us.</p>

Item	Used for	Danger	How to keep safe
Barbeque	Cooking outside in the summer.	It gets very hot and can burn you.	Only grown-ups should go near the Barbeque.
Bonfire	Burning garden waste such as dead plants. Often made on Bonfire Night (November 5 th)	Fires are dangerous and can burn you.	Only grown-ups should go near a bonfire. Keep well away from a bonfire.* * Around Bonfire night also refer to keeping away from fireworks and wearing gloves and taking care with sparklers.
Candle	To look nice, to give light, some smell nice.	Can burn and scald. Wax is also dangerous and can hurt.	Do not touch. Candles should not be left in an empty room, ask an adult to blow it out.
Cigarettes	Some grown ups smoke cigarettes.	Cigarettes can burn you. Can make you poorly.	Never touch cigarettes, ash trays etc.
Cooker	Cooking food, in saucepans, on the grill and in the oven.	Cookers can get very hot and burn you. The food inside saucepans etc is very hot for example boiling water.	Only grown-ups should use a cooker. Never try to lift saucepans off a cooker. Do not play near the cooker in the kitchen if someone is cooking.

Electric Fire	Keeping warm in the winter.	Can get very hot and burn you.	Keep away from the heater and never touch it. Keeps toys and clothes away. Fires should have a guard around.
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Hairdryer	Drying hair.	Can get very hot.	Always let a grown up help you dry your hair.
Plug-in heater	Keeping warm in the winter.	Can get hot and burn.	Keep away from the heater and never touch it. Keeps toys and clothes away.
Iron	To make clothes look smart.	Can get very hot and burn your skin.	Only grown ups should use or go near the iron. Never play where a grown up is ironing so you do not catch the wire.
Kettle	To boil water for hot drinks etc.	Can scald or burn you.	Only grown ups should use the kettle.
Lamp	For light.	The bulb can get hot and burn.	Never touch any lights which are, or have been on
Lighter	To light cookers, candles, cigarettes etc	Can burn you	Never touch lighters, tell a grown up if you see one.
Matches	To light cookers, candles, cigarettes etc.	Can burn you.	Never touch matches, tell a grown up if you see any.
Hot drink	To drink.	Can scald if you spill them on you.	Always wait until they are cool enough to drink. Take care when around hot drinks on tables etc.
Radiators	To keep us warm.	Can get very hot and burn.	Do not touch radiators.
Sun	To keep the world warm, give light and help plants to grow.	It can burn your skin on hot days.	Always wear sun cream, hats and T-shirts on sunny days and stay in the shade.

Conclusion	Some 'hot' items can be very useful, but hot things can burn and hurt. If you are careful and do not touch these hot things it will help you keep safe and you will not get hurt.		
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Safety Awareness and Fire Education - Gloucestershire
Activity Notes- Hot and Cold Activity 6

Class	Reception	
Topic:	Hot and Cold	
Activity:	6 – Fire Safety Lotto	
Over view of activity	<p>After sorting the pictures into 'hot' and 'cold' and discussing the dangers and how to keep safe, Fire Safety Lotto can be played. Each group/ pair/ individual is given a sheet. Call out the description below. If the children have the picture they cover the picture. Then discuss the safety point. The items can be read out in a random order.</p>	
Item	Description	Teaching point
Barbeque	You can cook food outside on these.	Barbeques can get hot and burn. Only grown ups should go near them.
Bonfire	A large outdoor fire. Often seen with fireworks.	Never stand too close to a bonfire. A spark could fly out and burn you.
Candle	You put small ones on a birthday cake.	They look nice but you should never touch candles as they can burn.
Cigarette	Some adults smoke these; they are bad for your health.	Never touch cigarettes or ash trays.
Cooker	You cook food on this.	Cookers can get very hot, you should never touch a cooker.
Electric fire	A machine that is plugged in to keep us warm.	They get very hot and children should never touch them.
Fire Engine	It is bright red, has a siren, and carries ladders and hosepipes and goes to help people.	If there is a fire you should never hide, always go outside and call for help. (Dial 999 on the telephone)
Firefighter	A special person who wears a uniform, and puts out fires and rescues people.	Firefighters have special clothes which stop them getting burnt, that is why they can go inside a house that is on fire. You should never go back inside a house on fire.
Firefighter's helmet	This is worn on the head by firefighters.	The helmet protects the firefighters from things falling on their heads. This is why they can go inside a house that is on fire. You should never go back inside a house on fire
Fire place	Something that burns and keeps us warm and cosy in the winter.	Do not stand too close to a fire. A fire should have a fireguard around.

Firework	These are lit on Bonfire night and other celebrations and are exciting to watch.	Fireworks should only be lit by grown-ups and you should stand well back.
Hair-dryer	Has a plug and a lead and is used to dry hair.	Hairdryers can get hot; always let a grown-up help you dry your hair.
Hot drink	You could use hot water and a tea bag to make one.	Hot drinks can scald, always wait until they are cool enough and take care around them.

Iron	Used to take creases out of clothes.	Irons can get hot and burn. Only grown-ups should use them.
Kettle	Used to boil water.	Boiling water can burn; only grown-ups should use the kettle.
Lamp	It has a plug and bulb and gives out light.	The bulb can get very hot and burn you. Don't touch any lights that are on.
Lighter	This normally has a plastic case, grown-ups use it to make a flame to light cigarettes and candles.	You should never touch lighters. Always tell a grown up if you see one you could touch.
Match	A small stick of wood with a tip that makes a flame. Grown-ups use it to light cigarettes, cookers and candles.	You should never touch matches. Always tell a grown up if you see any you could touch.
Radiator	Hot pipes and panels that keep our homes warm in the winter.	Radiators can get hot and burn. Never touch a radiator.
Smoke Alarm	Something that makes a bleeping sound to warn of a fire.	If you do not have a working smoke alarm at home, ask a grown up to get one.
Sun	Shines in the sky, especially in the summer	The sun can burn our skin, wear sun cream and T-shirts in the summer outside.
Telephone Box	Somewhere you can call the Fire and Rescue Service from.	999 is the number to use to call for help if there is a fire.

Conclusion	Some 'hot' items can be very useful, but hot things can burn and hurt. If you are careful and do not touch these hot things it will help you keep safe and you will not get hurt.	
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