

Version:

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LESSON PLAN + WORKSHEET

// FIRE TRIANGLE



LEICESTERSHIRE

FIRE and RESCUE SERVICE

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Fire Triangle Lesson Plan

Resources:

- Fire Triangle Activity Worksheet
- Colouring pens and pencil
- Small candle and matches/lighter

1. Start by considering our human bodies and what we need to stay alive - i.e. we need food, oxygen (air) and our bodies to be healthy.

Show pupils the candle, and light it whilst discussing candle safety and safety controls. Ask the pupils to think about what the candle needs to keep burning and relate it to what we need to stay alive, as below.

- Fuel (wax and wick) – same as our food.
- Oxygen – oxygen in air
- Heat – for our bodies

2. Show pupils the fire triangle and relate it to humans, e.g. if we don't have food, what happens to us?

Firefighters have protective clothing to protect their bodies from the heat and breathing apparatus to give them oxygen, so they can breathe.

By considering the fire triangle, ask pupils to think about ways we can stop the candle burning.

When we blow out the candle what are we stopping? - Heat.

When we put water on the candle what are we stopping? - Heat.

When we use a candlesnuffer what are we taking away? - Oxygen.

When the candle has no more wax and burns right to the end what has been taken away? – Wax and wick - Fuel.

3. Think about different ways fire-fighters put out fires and which part of the fire triangle each method stops. Also relate this to stop, drop and roll if someone's clothes catch fire. Get the pupils to complete the fire triangle on the worksheet.

4. From the fire triangle work, get the pupils to think about ways you might 'stop' each contributor, e.g. water takes away heat, foam or fire blanket removes oxygen, firefighters chop down trees in the path of a forest fire to remove fuel. Give a few examples; the pupils can then think of their own and fill them in on the sheet.

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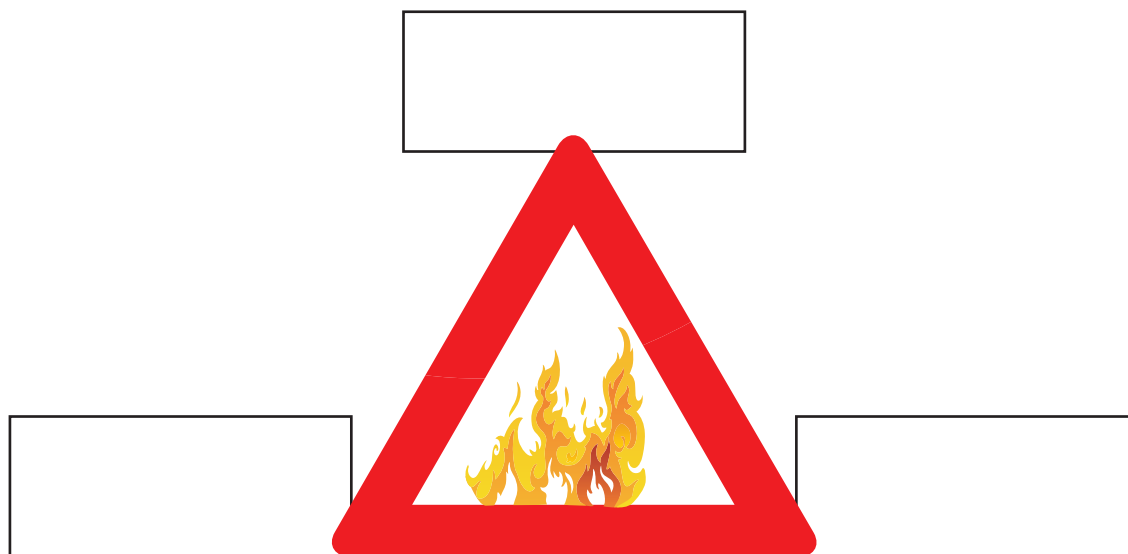
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Fire Triangle Worksheet

Name:

Date:

- All fires need three things to keep burning
- Complete the fire triangle below with these three things



Think of ways we can put out fires. Write each way down, and also write which part of the fire triangle it takes out.

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