

ELEMENT 10

FIRE



Element 10: Fire

- 10.1** **Fire principles**
- 10.2** **Preventing fire and fire spread**
- 10.3** **Fire alarms and firefighting**
- 10.4** **Fire evacuation**



ACTIVITY



A small single-storey hardware shop (built of brick with a metal frame) displays goods on metal shelves. Goods, such as nails, are placed in cardboard boxes on the shelves.

The shop has a large window in which it displays some of its goods on wooden shelves that are fixed in place with metal brackets. The floor is covered by hard-wearing industrial carpet. The main door into the building is a sliding glass door; this is kept open most the time.

At the back of the shop there is a small stockroom that has small windows around the top of the outer wall. These windows are open during the shop's opening times.

What are the main ways that heat could be transferred around this building if a fire broke out during the shop's opening times?



ACTIVITY

Thinking of your organisation, or looking around your current location, consider whether the ignition sources are being controlled correctly.

If they are not, what other controls would you recommend?



ACTIVITY

Consider what needs to be taken into account when providing a means of escape.



ACTIVITY

Thinking about fire drills that you have taken part in, consider...

What went well?

What did not go well?

What you would do to improve the evacuation/fire drill?