

Making Fire Engines

Today we will be...

Exploring modern fire engines.



**You have a few
minutes to draw a picture
of a fire engine!**

Ready, steady, go!



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Now share your drawing with a partner and discuss these questions...

- What do your pictures have in common?
- How are your pictures different?
- Are there any features missing from your fire engines?

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Over the next few lessons, we're going to be looking at fire engines and then designing and making our own!



**What do
fire
engines
need to
have?**

**How are
fire engines
different to
other
vehicles?**



Think, pair, share your ideas.

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Like most vehicles, fire engines have **wheels** so they can move easily, **windows** and a **windscreen** so the driver can see where they're going, **doors** to get in and out, **headlights** and **rear lights** so the vehicle can be seen at night and **wing mirrors** so the driver can see behind them when they're driving.



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As well as normal lights, fire engines also have **blue flashing lights** to help warn other drivers that they are coming. They also have loud **sirens**. This helps fire engines get to emergencies more quickly because they let other drivers know that they need to get out of the way.



Fire engines also have **ladders** so that the firefighters can reach high places.



Some fire engines have **cranes** so that the firefighters can be lifted up to places that would be too tall for just a ladder.

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Fire engines need lots of special equipment to help them fight fires and carry out other rescues. **Fire hoses** attach to the **water tank** in the fire engine so that the firefighters can spray a fire with water to put it out.

They also carry equipment such as **first aid kits**, **breathing apparatus** (so the firefighters can breathe safely in smoky buildings) and many other things.

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What else can you see on this fire engine?

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Have a look back at your picture of a fire engine. Do you need to add anything to make your fire engine complete?

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**Do you think
you would like to be a
firefighter? Why or why
not?**

Think, pair, share your ideas.

