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Opening extract from
**Read it Build it
Skyscraper**

Written by
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Illustrated by
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Please print off and read at your leisure.

Join a hard-working **construction team!**
You'll need your **hard hat, tools** and **plans**
to build a **towering skyscraper.**

There's lots to **see** and **do** on the job, and you'll
even use some **big trucks** and **diggers!**

Read the book to learn about building
a huge skyscraper and **build** exciting
scenes when you see this logo!



Concept created by Annie Ross
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Consultancy by Glen Stephens FRICS

Read it • Build it
SKYSCRAPER



Would you like to build
a skyscraper?

Do you want to help on a **building site**
and create a new **skyscraper** in the city?



Okay, you'll need to:

1 Use lots of machines.



2 Work with a huge team of people.



3 Wear safety clothing and boots.



4

Get the ground ready.



5 Build high up into the sky.



6

Take a trip to the top.



All set?



Lots of machines are used on a building site.

Some machines **move** materials:

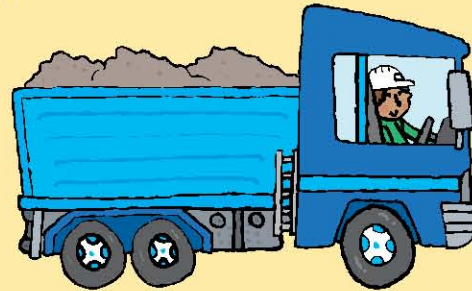
Bulldozers push rocks and soil out of the way.



The driver sits in here.

This big blade could push a small car!

These caterpillar tracks stop the bulldozer sinking into the mud.



Trucks bring building materials to the site.

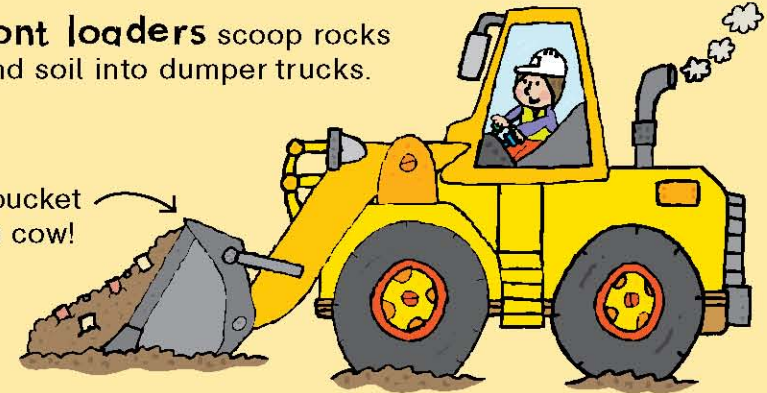


This bucket lifts up to dump rocks.

Dumper trucks carry rocks and soil away from the site.

Others machines **dig** and **scoop**:

Front loaders scoop rocks and soil into dumper trucks.



This huge bucket could lift a cow!

Excavators dig deep holes in the ground.

This arm lifts up soil.



Mini tractors dig smaller holes.

These machines **lift** things:

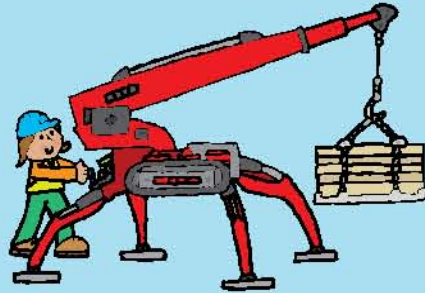


Tower cranes reach high into the sky.

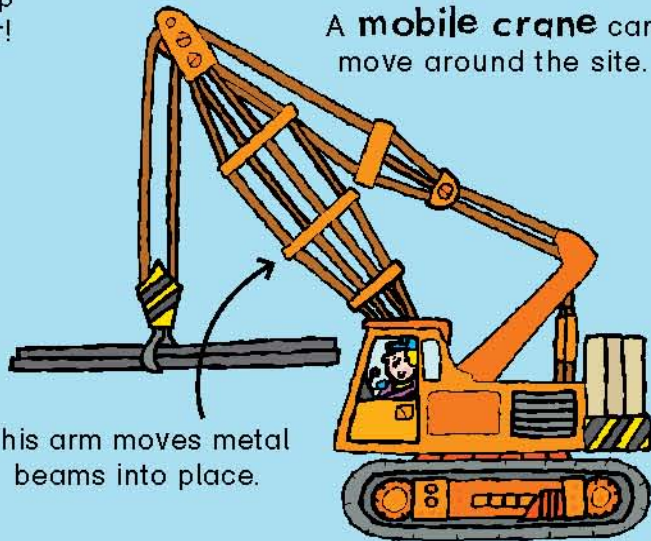
This crane is as tall as 13 giraffes standing on top of one another!

It's bolted to a heavy base so it won't tip over.

This smaller machine is called a **spider crane**.

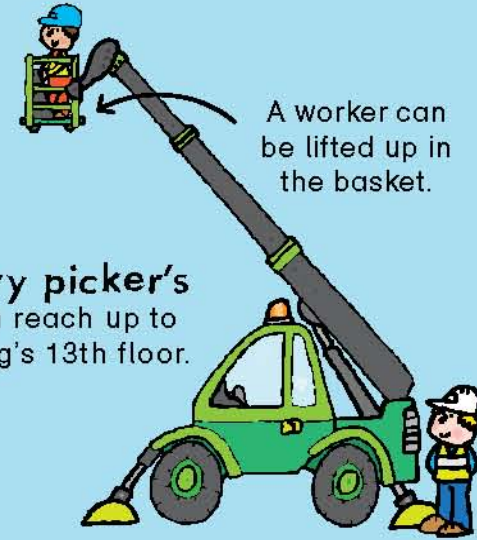


A **mobile crane** can move around the site.



This arm moves metal beams into place.

A **telehandler** can lift and carry material that is as heavy as a hippo.



A worker can be lifted up in the basket.

A **cherry picker's** arm can reach up to a building's 13th floor.

This machine **mixes**:

A **concrete truck** carries and mixes a building material called concrete.



Concrete pours out here.

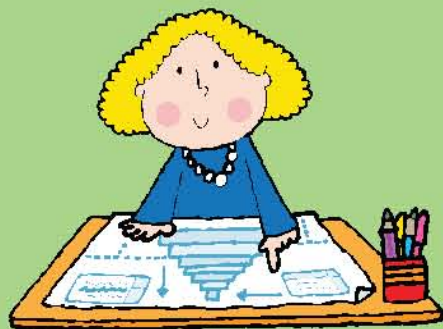
The drum turns to mix the concrete.

Build it!



Which machines can you spot on the building site?

Meet some of the people who'll help you build the skyscraper.



An **architect** designs the building.



Engineers work out how to build it.



The **site manager** is in charge.



Electricians connect electricity for lights and power.



Plumbers fit water pipes, taps and toilets.



Carpenters do all the woodwork.



Ground workers get the site ready.



Scaffolders build work platforms called scaffolding.



Steel workers put up the tower's strong metal skeleton.



Crane operators steer the big cranes.



Glaziers add the windows.



Painters add the finishing touches.

Build it!



Who is hard at work?