

Dustbin operatives are some of our essential workers at the moment, but have you ever wondered how the dustbin trucks work?

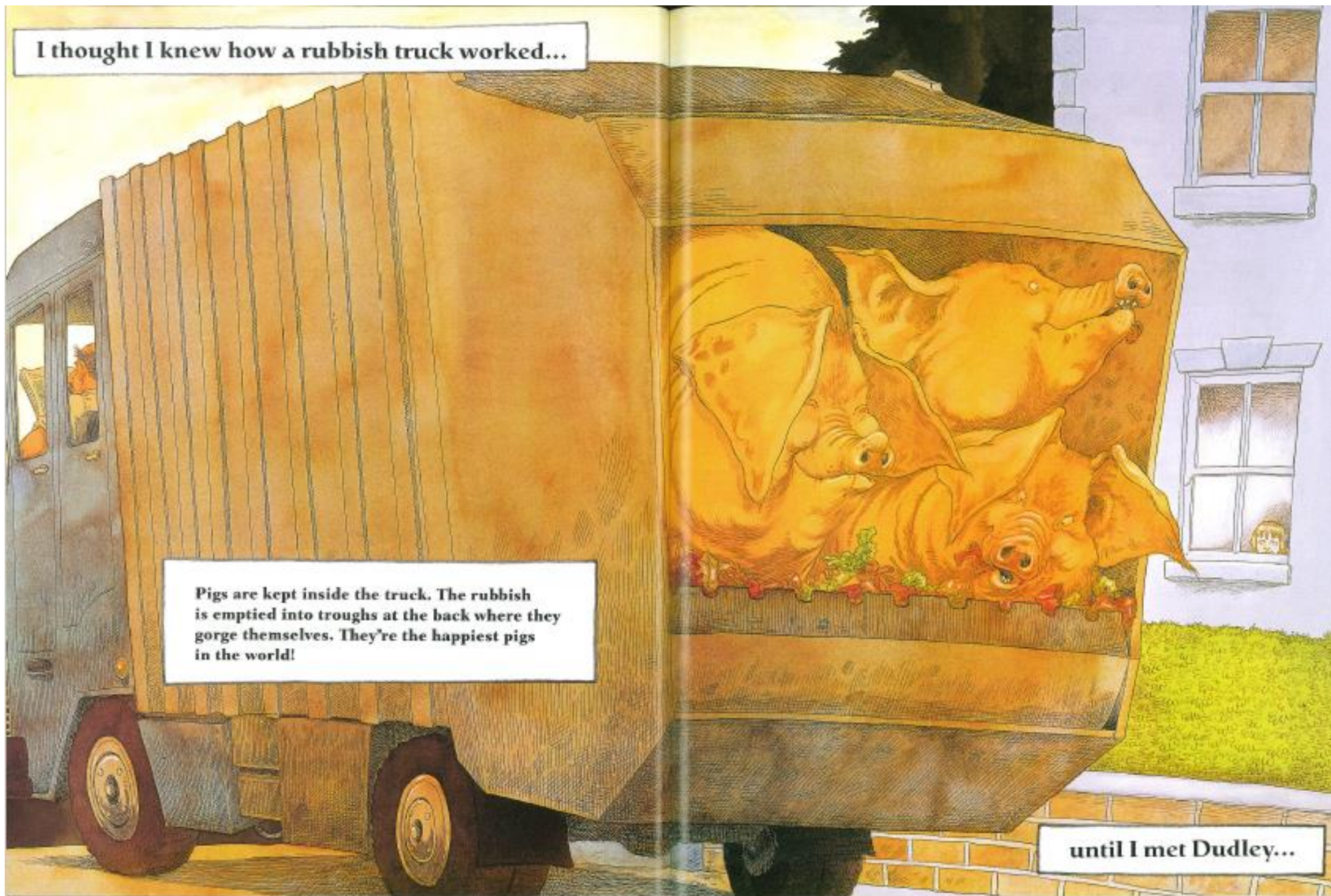
In the book 'Until I met Dudley' we look at how our character thinks they work then Dudley explains the actual process which happens.

Read the pages ahead and have a go at answering the retrieval and vocabulary questions on the following page. Remember - the answers are there - use the text to help you.

I thought I knew how a rubbish truck worked...

Pigs are kept inside the truck. The rubbish is emptied into troughs at the back where they gorge themselves. They're the happiest pigs in the world!

until I met Dudley...



Dudley showed me how a rubbish truck works...

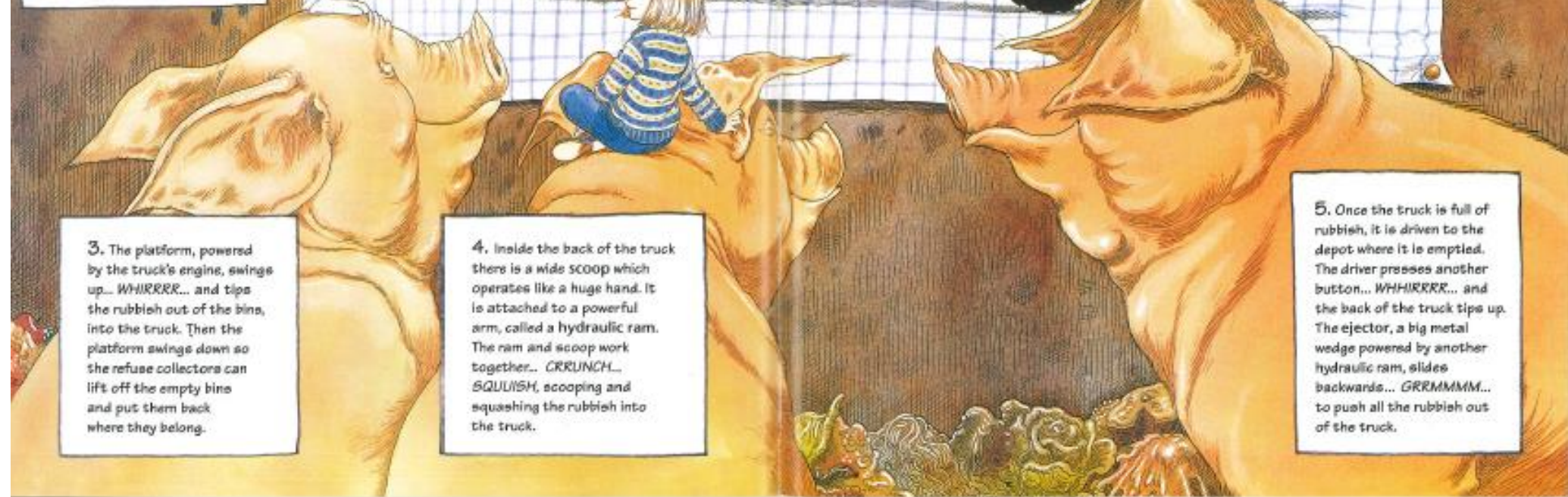
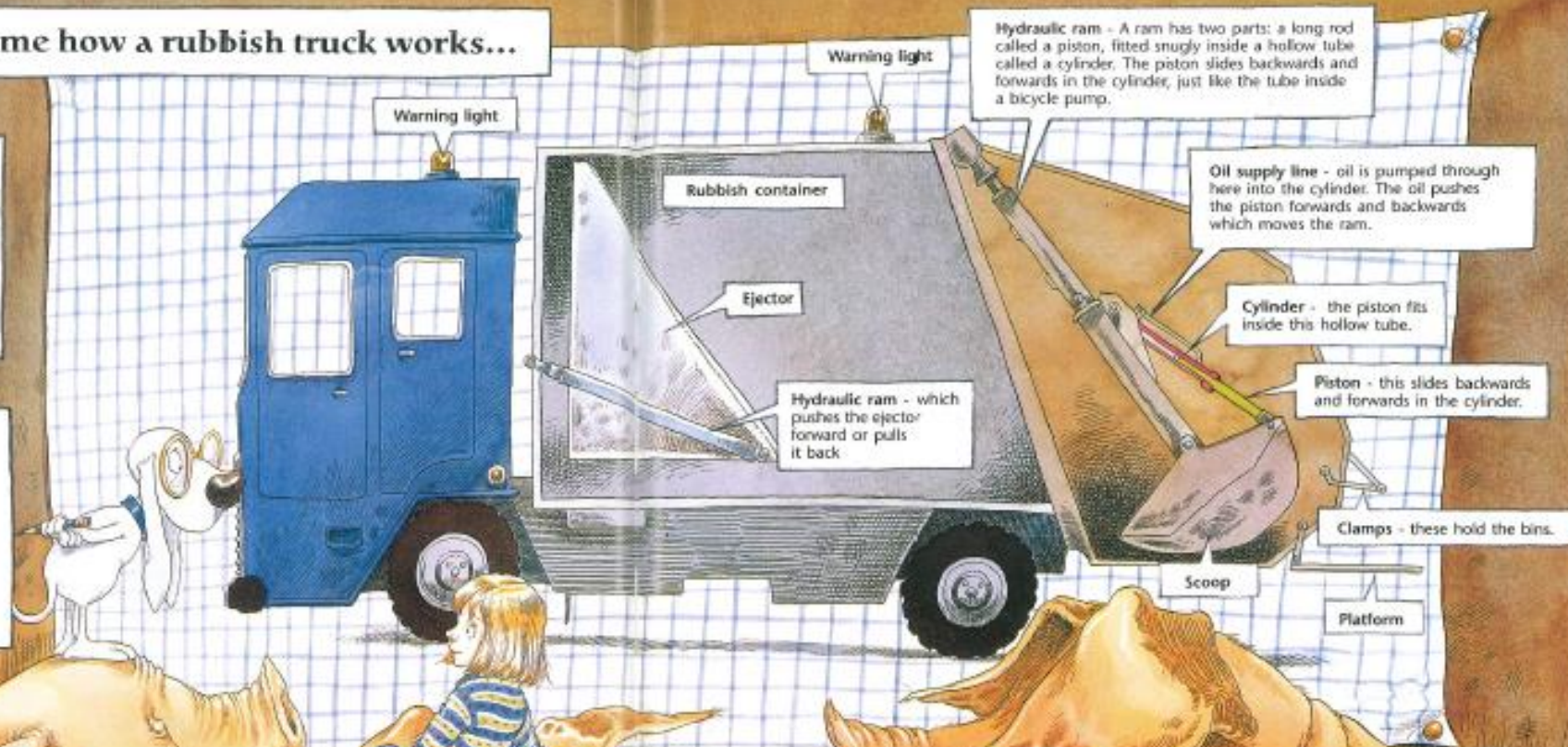
1. A rubbish truck is a big bin on wheels, usually worked by a team of 3 or 4 people. The driver sits in the cab. He keeps the engine running to provide the power for the rubbish truck to do its job.

2. The other refuse collectors in the team pick up rubbish bins and heave them onto the platform at the back of the truck... *CLONK, CLINK, CLUNK*. Clamps hold the bins firmly so they can't fall off.

3. The platform, powered by the truck's engine, swings up... *WHIRRRR...* and tips the rubbish out of the bins, into the truck. Then the platform swings down so the refuse collectors can lift off the empty bins and put them back where they belong.

4. Inside the back of the truck there is a wide SCOOP which operates like a huge hand. It is attached to a powerful arm, called a hydraulic ram. The ram and scoop work together... *GRRUNCH, SQUUISH*, scooping and squashing the rubbish into the truck.

5. Once the truck is full of rubbish, it is driven to the depot where it is emptied. The driver presses another button... *WHIRRRR...* and the back of the truck tips up. The ejector, a big metal wedge powered by another hydraulic ram, slides backwards... *GRRMMMM...* to push all the rubbish out of the truck.



1. What does the young girl think happens to the rubbish in the truck?
2. **Find** and **copy** a word the author uses to suggest that the pigs eat a lot?
3. Why does the driver leave the engine running all the time?
4. What type of language is the author using when he writes 'clonk, clink, clunk' ?

Personification

alliteration

onomatopoeia

5. Write 3 examples of technical language that is used in this explanation

Challenge questions

What different parts does the hydraulic ram have? (2 points)

What is the purpose of the piston?

Where does the rubbish go at the end of the day?

1. What does the young girl think happens to the rubbish in the truck?

She thinks that large pigs are kept in the back of the truck which eat all the rubbish

2. Find and copy a word the author uses to suggest that the pigs eat a lot?

gorge

3. Why does the driver leave the engine running all the time?

To provide power for the rubbish truck to do its jobs

4. What type of language is the author using when he writes 'clonk, clink, clunk' ?

Personification

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5. Write 3 examples of technical language that is used in this explanation

Platform, clamps, hydraulic ram, scoop, oil supply line, cylinder, piston, clamps, ejector

Challenge questions

What different parts does the hydraulic ram have? (2 points)

Long rod called a piston, a tube called a cylinder

What is the purpose of the piston?

It moves the ram

Where does the rubbish go at the end of the day?

To the depot