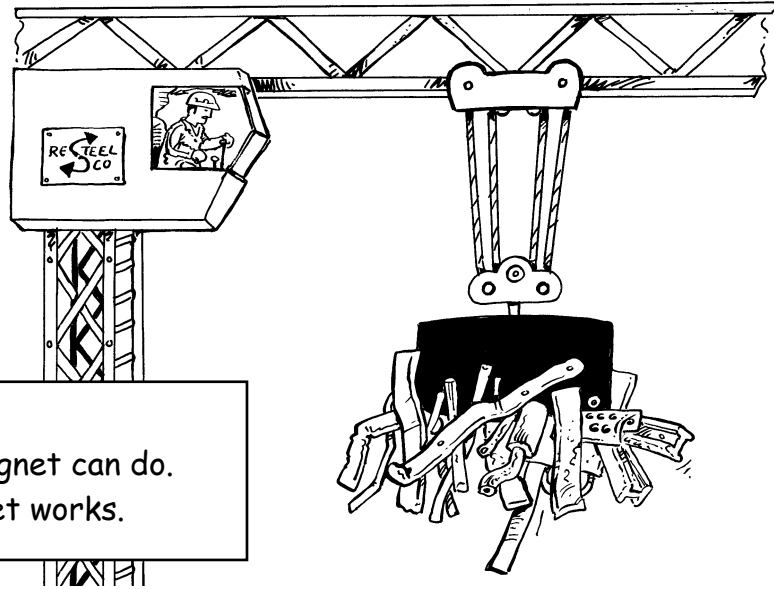


# Scrap heap magnet challenge!

At metal scrap heaps, metals can be moved and sorted using a large electromagnet.

How do you think a scrap heap magnet works?



**Task:**

Describe what a scrap heap magnet can do.  
Explain how a scrap heap magnet works.

**Key words:**

attract, electromagnet, iron, magnet, magnetic, magnetism, permanent magnet, repel, steel

**Level ladder:**

What is your target level? Use the level ladder to help you reach it:

To get level	You might have:
5	<ul style="list-style-type: none"> <li>• Drawn a series of diagrams to describe how a scrap heap magnet works.</li> <li>• Described how the scrap heap magnet works.</li> <li>• Drawn a simple circuit diagram to explain how the machine works.</li> <li>• Stated the types of material a scrap heap magnet can and cannot move.</li> </ul>
6	<ul style="list-style-type: none"> <li>• Drawn a series of diagrams to explain how a scrap heap magnet works.</li> <li>• Explained how the scrap heap magnet works.</li> <li>• Drawn an accurate circuit diagram to explain how the magnet works.</li> <li>• Described the types of material a scrap heap magnet can and cannot move.</li> <li>• Described a way the strength of the electromagnet could be increased.</li> </ul>