

TECHNOLOGY

Term 3 – Weeks 1 and 2

Magnetic and non-magnetic metals Recycling scrap metals

Topic	Magnetism
Method	Revise magnetism – previous knowledge NS Matter and and Materials. Educator read and discuss the content. Educator does the practical investigation as a demonstration lesson. Try to find items made of steel, cast-iron, brass, copper, nickel, aluminium and lead.
Practical investigation	Practical investigation You will need the following: • Magnets Various items made of: • Steel, • Iron, • Copper, • Nickel, • Brass, • Aluminium • Lead If possible: • Jewellery made of gold and silver You can use the following videos to demonstrate the practical investigation:
Online resources	Are all metals attracted to magnets? https://www.youtube.com/watch?v=Xgy5IaDEkBU Are all metals magnetic? https://www.youtube.com/watch?v=BzNB5xt7ex0
Instructions	Read through notes and answer the questions:
Resource	Platinum
Activities – workbooks	Pg. 93 Introduction – Identify magnetism at work Pg. 94 – 95 What is magnetism Pg.'s 98 - 97 Practical Investigation Case Study: pg.'s 100 – 103 Enabling Task 1
Aim: What learners must know?	Iron, nickel and steel are magnetic / difference between ferrous and non-ferrous metals / alloys are a mixture of metals / corrode means to rust



Steel electricity pylons



Cast-iron stove



Lead solder



Copper beading



Brass horn. Brass is a mixture of copper and zinc.



Silver trumpet (brass coated with silver)



Gold earrings