

GRADE 2 LEARNING PACK

Magnets: Attract, Repel & Test

Explore magnet attraction/repulsion and test which common materials are magnetic.

LEARN • PRACTISE • CREATE • REFLECT

Original BrightPencil Kids resource - adult-led where appropriate

A4 edition • 12 purposeful pages • review copy

Print. Learn. Grow.

Grown-up guide

Learning objective

Explore magnet attraction/repulsion and test which common materials are magnetic.

Use this pack well

- Model the first example aloud, then let the learner try.
- Ask “How do you know?” more often than “Are you finished?”.
- Use real objects, talk, movement or observation when the activity suggests it.
- Stop or shorten the session if attention or enjoyment drops.
- Open-ended pages can have many successful answers.

Quality note

This resource was written originally for BrightPencil Kids. Curriculum sources informed scope and progression only; no third-party worksheet or story text is reproduced.

Learn the idea

1 Magnets have two poles.

2 Like poles repel; unlike poles attract.

3 Not all metals are magnetic.

Talk about it

Explain one idea in your own words. Give an example from real life, a drawing or an object if that helps.

Predict then test paperclip, aluminium foil, wood, plastic and steel item where safe.

Record magnetic/not magnetic.

Explore two magnet poles with adult/class equipment.

Explain why “all metal sticks to magnets” is false.

Design a fair distance test using the same magnet.

Try it beyond the page

Real-world / hands-on connection

Use classroom magnets only as instructed; keep away from electronics/medical devices where relevant.

Before you finish

What did you notice?

What evidence, object or example helped you?

What would you change if you tried again?

Create something

Your project

Create a magnetic-materials results chart and one evidence-based conclusion.

Use this space for planning, drawing, mapping, designing or notes.

CHALLENGE

Think deeper

1. Do all metals stick to magnets?

2. What happens with like poles?

3. Why record prediction separately from result?

Quick review

1. In one sentence, explain the big idea of “Magnets: Attract, Repel & Test”.

2. Draw or write one example that shows you understand.

3. Choose one activity from this pack and explain the strategy you used.

4. Write one question you still have.

Answer & discussion notes

Use these as guidance, not scripts. Open questions can have different successful responses when the reasoning is sensible and evidence-based.

1. Suggested response

No.

2. Suggested response

They repel.

3. Suggested response

So evidence is not changed to match expectations.

Review before publication

Check age fit, factual accuracy, clarity, accessibility, rights provenance and whether the activity works in practice. This file remains a review copy until those checks are signed off.

FINISH

My learning reflection

I finished this BrightPencil learning pack.

One thing I understand better now:

A strategy that helped me:

Something I created or noticed:

My next small question or goal:

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