Use What You Know · Year 3 Science

Five sample cards · one from each Science area

from Familiar Frontiers

Five-card sample · print A4

Question cards for A4 printing, with four cards per sheet.

- Print at 100% (actual size) on A4.
- Cut along the dashed lines.
- Discuss each solution together.
- Find the answers in the screen sample.

Use familiar science to solve new problems. Selected learning for Year 3 in England.

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Y3S-001 PLANTS

The leaning sapling

A young tree has a firm trunk and healthy leaves. Its roots are loose after planting. Roots hold a tree in the ground. The trunk supports the branches.

Which clue helps explain why the tree leans as a whole in the wind? Explain.

Y3S-002 ANIMALS, INCLUDING HUMANS

A bump at the front

A model has a soft heart behind curved ribs. A soft pad moves towards it from the front. The ribs are stiff, so the pad stops at the ribs.

If the ribs were taken away, what could happen to the heart in the model? What job do the ribs show?

Y3S-003 ROCKS

One rock or two?

A builder finds two grey rocks. One feels smooth and the other feels rough. Mei writes, “They are the same colour, so they must feel the same.”

Which observation should Mei put in her report to fix her mistake?

Y3S-004 LIGHT

The gallery in the dark

A sealed toy gallery has no light when its lamp is off. A camera without its own light sees a painted bird when the lamp is on. The bird stays in the same place.

Why does the bird vanish from the picture when the lamp goes off? Has the bird moved?

The space between

The two pictures show where the hand, magnet and toys were just before each toy moved. The arrows show which way each toy moved next. No one else touches either toy.



In which picture is there evidence of a force across a gap? Point out the clue.