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Air, weather and the sky





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Air, weather and the sky

See what air moves



Which end of the ribbon can move freely?

THE IDEA

Air is around us. Moving air is wind. A loose ribbon can show movement even when the air is invisible.

CHECK YOUR THINKING

A ribbon flutters beside an open window. What might be moving it?

> Moving air can push the ribbon. Check whether the ribbon is being held still at one end.

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Leaves in a breeze



Look for the way the leaves point. What could make them change position?

THE IDEA

A breeze can move leaves. Different plants may sway by different amounts.

CHECK YOUR THINKING

A leaf moves but a stone stays still. Could air be moving past both?

> Yes. A light leaf is easier for a breeze to move than a heavy stone.

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Look at the clouds



Compare the edges of two clouds. Where do their shapes differ?

THE IDEA

Clouds contain tiny drops of water or ice crystals. Their shapes and positions can change.

CHECK YOUR THINKING

You see a cloud. Can you be certain rain will reach the ground here?

> No. Some clouds pass without bringing rain to your location.

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Rain leaves clues



Find the lowest part of the path. Where might a puddle form?

THE IDEA

Rain falling on the ground can collect in low places and make puddles.

CHECK YOUR THINKING

Why is a puddle deeper in a dip than on the raised path?

> Water flows downhill and collects in the dip.

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Day and night



Identify the same play equipment in daylight and after dark.

THE IDEA

The Sun lights the part of Earth facing it. As Earth turns, a place moves into and out of sunlight.

CHECK YOUR THINKING

Does the playground disappear when it gets dark?

> No. The playground stays there as our part of Earth turns away from sunlight.

ONE LAST CHALLENGE

Is the umbrella enough to tell you it is raining?

An umbrella is open outside your window. You cannot see the sky.



THE REVEAL

Look for falling drops.

Someone might also open an umbrella for shade.

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