Animal clues

Ages 6–8 • English • 30-minute adaptable lesson

Learning objective

Use all, some and not all; justify an answer with a counterexample.

Opening question

Can every bird fly? Give pupils time to think before selecting a claim or another source.

Discover new knowledge

Reveal a sparrow, an ostrich and a penguin one at a time (see illustrated cards on page 3). Ask: “Is it a bird? Can it fly? What makes you think so?” Invite predictions before checking a verified picture book or factual cards. AI illustrations are prompts, not evidence.

Review prior learning

Recall bird vocabulary. With permission, restate a volunteered answer anonymously. Invite the class to evaluate it, or use the prepared claim when helpful.

Optional prepared claim

All birds can fly because they have wings. (Teacher-created practice statement.)

Bring the ideas together

Invite pupils to name another flightless bird (e.g., kiwi or emu). Ask: “What is your conclusion now? Can you explain why?” Teacher key: ostriches and penguins are counterexamples to the claim that all birds can fly.

Think independently and transfer

Display All… / Always… / Every… / Never… . Invite pupils to invent a claim about animals or nature. The class responds with cards, asks for evidence or names a counterexample. Then ask: “Can every animal with wings fly?” Observe reasoning, not card colour; no AI is needed.

Evaluate the Claim

Animal clues • Use words, drawings or oral explanation.

My first idea

Can every bird fly?

_____

_____

A claim to evaluate

All birds can fly because they have wings.

My judgement

[ ] I agree [ ] I'm not sure [ ] I disagree

What makes me think so?

_____

_____

What could I check?

_____

_____

My own conclusion

_____

_____

Try a new question

Can every animal with wings fly? Explain using an example.

Explore the lesson

Show one picture at a time. Ask before checking. Cover the other pictures or cut along the card edges.



Sparrow

Is it a bird? Can it fly?
What makes you think so?

AI-generated illustration • Not evidence.
Check using a trusted picture book or factual cards.



Ostrich

Is it a bird? Can it fly?
What makes you think so?

AI-generated illustration • Not evidence.
Check using a trusted picture book or factual cards.



Penguin

Is it a bird? Can it fly?
What makes you think so?

AI-generated illustration • Not evidence.
Check using a trusted picture book or factual cards.