GeniusKite

Kids' Thinking Skills

Science Workbook

Grade 5
Ages 10-11



Science Thinking and Safe Experiments

GeniusKite Team

Science Thinking for Parents

A short guide / 1 of 2

How each section works

Every section has six pages. The first page starts with a short "learn it" box that explains the big idea in plain words. Then come practice pages, a short reading or word game, a safe hands-on investigation and a thinking challenge.

Claim, evidence, reasoning

Grade 5 science asks children to make a claim, back it with evidence from data and explain their reasoning. Ask "What is your claim? What data supports it? Why?"

Safety first

Every activity uses household materials with no heat sources, flames, sharp tools or chemicals. A grown-up does any cutting. Never look directly at the Sun. Do not taste anything made in an investigation unless a grown-up says it is safe.

Wonder out loud

Ask "What do you notice?" and "What do you predict?" A prediction that turns out wrong is still good science: talk about what the evidence shows.

SCIENCE / WARM-UP

Science Words



Name: _____ Warm-up 1 / 3

Match each word to its meaning. Write the letter on the line.

Scientists ask questions, plan investigations, and collect data they can measure. They organize data in tables and graphs to find patterns, and they use models to explain things that are too big, too small or too slow to see. A claim is a statement that is supported by evidence and reasoning.

1. claim _____

A. a way to show something hard to see

2. evidence _____

B. a factor that can change in a test

3. reasoning _____

C. data that supports a claim

4. model _____

D. why the evidence supports the claim

5. variable _____

E. an answer to a question



Pip's tip: Let the data tell the story.