Amy & Bobo's 50 Mind-Blowing Science Mysteries

3-Page Free Sample Preview • The Ultimate Screen-Free Family Activity Book



Inside the Full 72-Page Activity Book ($9.00):

- 50 Illustrated everyday science mysteries explored by Amy & Bobo
- 50 Parent-child conversation prompts & dinner-table micro-experiments
- 25 Spot-the-Difference puzzles & science word mazes
- Official Amy Zest Junior Scientist Printable Certificate!

Sample Mystery #1: Why Does Popcorn Go POP?

From Chapter 1: Kitchen Science Wonders



The Big Question:	Why can't we pop sweetcorn on our cob, but popcorn kernels explode like mini white clouds?
The Science Secret:	Every popcorn kernel holds a tiny drop of water surrounded by tough hard starch. As Mummy heats the pan, the water turns to super-heated steam, building pressure like a mini pressure cooker. At 356°F (180°C), the hard shell bursts and the molten starch inflates into fluffy foam that cools in a split-second!
Bobo's Table Riddle:	Q: What did the little popcorn say to the big popcorn? A: 'Pop, is that you?'
Dinner-Table Activity:	Count the seconds between the first POP and the fastest pops. That's called the kernel heating curve!

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Sample Mystery #2: How Do Fireflies Glow In The Dark?

From Chapter 3: Nighttime Nature Secrets



The Big Question:	Do lightning bugs eat tiny lightbulbs, or do they carry flashlight batteries?
The Cold Light Miracle:	Fireflies make cold light using bioluminescence! Inside their lanterns, an enzyme called luciferase mixes with oxygen and a chemical called luciferin. It produces nearly 100% light with 0% wasted heat—far more efficient than any human lightbulb!
Mummy & Daddy's Table Talk:	Ask your kids: 'If you had a glowing lantern on your belly, what secret flashlight code would you send to your best friend?'

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