

Science Mysteries

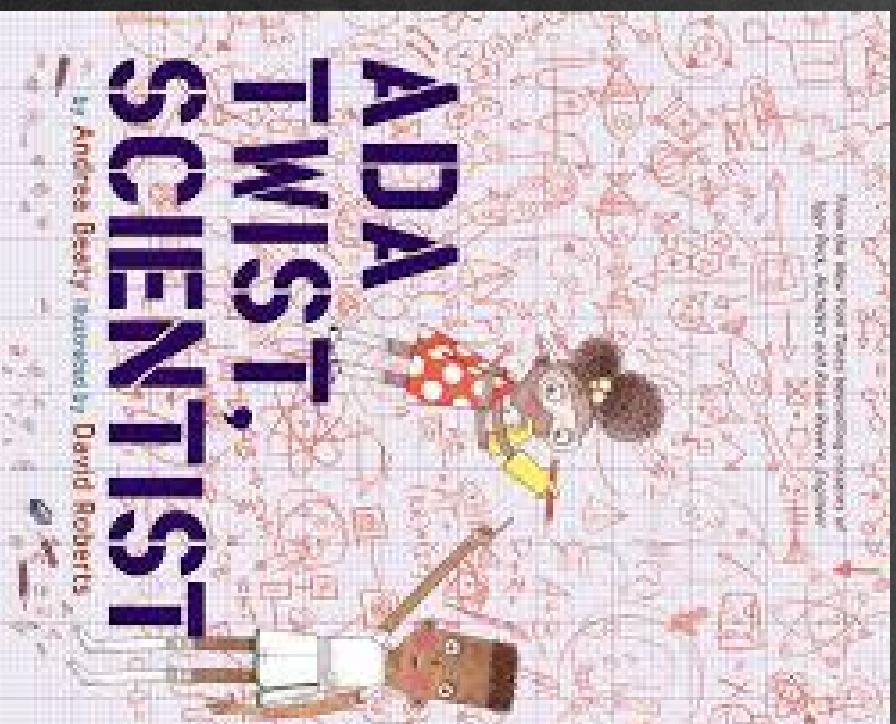
Digging Deep into Science Literacy

Summer 2017

En Vogue

Ada Twist, Scientist

By Andrea Beaty



Enigme

What mystery did Ada try to solve?

How did she try to solve it?

By the end of the story, did Ada solve the mystery?

Do you think scientists always find the answers to their questions?

How was Ada a great scientist?

Energy

Great scientists ...

Explore

Property of a substance: its characteristics or attributes

What properties of these substances could we safely observe?

What are some ways that we can safely observe these substances?

Explore

Test 1: Rub the substance between your fingers. How does it feel?

Test 2: Use a hand lens to look more closely at the substance. Can you see any crystals?

Test 3: Use an eyedropper to add 3 droppers of water. Stir with a stick for 30 seconds. What happens?

Test 4: Use an eyedropper to add 10 drops of vinegar. Stir. What happens?

Explain

What observations did you make?

Were any of your results different from other groups? If so, why do you think so?

What do you think happened to the salt when you mixed it with water?

What do you think happened to the cornstarch when you mixed it with water?

What do you think happened to the sand when you mixed it with water?

What did you notice when you added the vinegar to the baking soda?

What else are you wondering about the substances?

Explain

Matter

By Abbie Dunne



Explain

How did the book say you could tell if the salt is still in the water after it dissolves?

What did you notice when you added the vinegar to the baking soda?

What kind of matter do you think was inside the bubbles?

E(aborate

Mystery Mixes

Test 1: Texter [feel]

Test 2: Crystals [yes/no]

Test 3: What happens with water?

Test 4: What happens with vinegar?

Elaborate

What substances do you think are in Mixture A? What is your evidence?

What substances do you think are in Mixture B? What is your evidence?

Evaluate

Matter Mystery

- Work with a partner to solve the mystery.
- What substance do you think it is?
- What is your evidence?