

**AUTHOR:**

Andrea Beaty

Ada Twist was quiet until the age of three. Then she couldn't stop asking why, how, what, and when. Ada wants to know about everything around her and she uses science to figure it all out!

Ages: 5 to 9 years

Interest Level:

Kindergarten to 4th Grade

ATOS Reading Level:

3.4

Lexile: AD550L

ISBN: 9781419721373

Copyright: 2016

Genre: Fiction

Classification: Picture Story Book



Ada Twist, Scientist

What will Ada ask next?

Topics: growth mindset, cause and effect, problem solving

Math Connections: Use *Ada Twist, Scientist* to talk about the ways math and science are connected. Use this book to discuss problem solving and to reinforce growth mindset, the idea that a person's intelligence grows with effort.

Ada explores cause and effect by asking questions. She wants to find out what causes something to happen. Talk with your child about cause and effect. Cause and effect occurs when an event or action made something else happen. For example, an alarm clock rings, what is the effect. Ask your child to identify a cause and effect relationship they have noticed.

Ada wants to know about everything. Talk with your child about the things they are curious about. What do they want to know more about? Is the thing your child is curious about something they can test or explore to find out more? If so, ask your child to predict what they think will happen? Is math involved? How so? For example, cooking is a science experiment that involves math. Bake a favorite dessert and add a new ingredient like chocolate chips, food coloring, or raisins. Hypothesize what you think the recipe will taste like and how adding something new may change how it cooks or looks or smells. Measure ingredients with measuring spoons and cups. Explore the relationship of the cups and spoons. Talk about fractions as parts of a whole.

Extension Questions:

1. Why is it a good thing to think about a problem and talk about the problem before doing something to fix it?
2. Why can it be helpful to write something down?
3. Notice many times does Ada asks "why" throughout the book. How does this help her understand the world around her?
4. Did you spot any math in the book? If so what are some examples?

EARLY MATH PROJECT LITERATURE REVIEW

Vocabulary for Building Math Concepts	all, bigger, count, four, more, once, three, two
Vocabulary for Extending Math Concepts	cause and effect, growth mindset
Vocabulary for Reading Comprehension	aroma, chaos, curious, frazzled, gawk, havoc, hypothesis, pungent, stench

Early Math Project Resources:

What will happen to the seeds?: <https://bit.ly/3kCwpgt>
(English)

Coming Soon (Spanish)

Online Resources:

Teaching Guide: <https://bit.ly/39AdBZ1>

Science Experiment (Activity four will bring in measurements and science while having fun!): <https://bit.ly/2W8rPgC>

STEM activities at the Park: <https://bit.ly/3ESLLph>

Age Level	Related Preschool Foundations and CA State Standards
Grades K-3	California Common Core State Math Standards https://bit.ly/31No7bP
Kindergarten	Make sense of problems and persevere in solving them.
Grade 1	Make sense of problems and persevere in solving them.
Grade 2	Make sense of problems and persevere in solving them.
Grade 3	Make sense of problems and persevere in solving them.

Spanish Title: Ada magnífica, científica

Copyright: 2018

ISBN: 9138448849665

Also available in: Catalan, Chinese, Dutch

Related Books:

Sylvester and the Magic Pebble by William Steig, *Rosie Revere, Engineer* by Andrea Beaty, *The Most Magnificent Thing* by Ashley Spires

Find this book at your local library: https://www.worldcat.org/title/ada-twist-scientist/oclc/1039078643&referer=brief_results

