

Apple Maths

Literacy Level 23 • Maths Level 2–3 • Number and Algebra

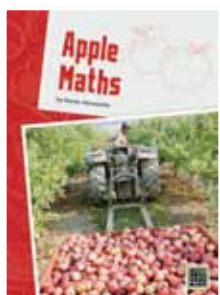
Wise Up!



Inquiry Learning
for Years 3 and 4

Inquire to Learn!

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There are many ways *Apple Maths* can be used as a base for Inquiry Learning. This is just one suggestion.

Session 1: Using the Big Book, share-read *Apple Maths*, stopping at natural points for discussion. You may like to focus on the New Zealand-specific captions on pages 4, 6, and 8. Draw on the students' prior knowledge of apples and orchards.

Session 2: Using the Big Book, work through the Specific Literacy Learning Outcome task and the Literacy Focus questions.

Session 3: Using the Small Books, have the children reread *Apple Maths*. Model answering the Wise Up! on page 2. In their maths groups, have the children work through the Wise Ups! on pages 5, 6, 7, 9, 10, 11, 13, 14, and 15. Help individual groups as necessary.

Session 4: As a class, complete the challenge on page 16. As an extension exercise, ask the students to come up with their own division or multiplication-based challenge.

Literacy Achievement Objective:

Locate information in a non-fiction text.

Specific Literacy Learning Outcome:

Use a contents page to locate specific topic related information – “Fighting Frost and Flies”, page 8. What are some threats that orchardists must be on the lookout for?

Literacy Focus:

1. *Recall:* What happens to apple trees in the spring? (page 4)
2. *Inference:* Why are New Zealand and Australia particularly suited to producing organic apples? (page 8)
3. *Vocabulary:* Review the word *compost* on page 4 and its definition in the glossary on page 16. Inquiry Learning Extension: Research to find out more about compost and/or set up a class or school-wide composting scheme.

Numeracy Achievement Objective:

Write and solve story problems with whole numbers using multiplication and division.

Specific Numeracy Learning Outcome:

Understand that division is the inverse of multiplication, and vice versa.