

# X-Treme Sports

Literacy Level 26 • Maths Level 3 • Geometry and Measurement

Wise Up!



Inquiry Learning  
for Years 5 and 6

## Inquire to Learn!

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There are many ways in which *X-Treme Sports* can be used as a base for Inquiry Learning. This is just one suggestion.

**Session 1:** Using the Big Book, share-read *X-Treme Sports*, stopping at natural points for discussion. Draw on the students' prior knowledge of extreme sports.

**Session 2:** Using the Big Book, work through the Literacy Focus questions. Guide the students towards achieving the Specific Literacy Learning Outcome.

### Literacy Focus:

1. *Recall:* Ask: What are the three things needed for extreme sports? [courage, strength, fitness (page 2)]
2. *Comprehension:* Ask: Why would you need these attributes to take part in extreme sports? [Answers may vary, but could include: courage, because they are dangerous; strength, because they are difficult; fitness, because they are difficult and need endurance.]
3. *Vocabulary:* Ask: Discuss the word *hypothermia* (page 6). Ask the students if they know what *hypothermia* means. Write the suggestions on the board. Then have someone look up a dictionary definition of *hypothermia*. Write the definition on the board. Have the class decide on a glossary definition for *hypothermia* as it is used in *X-Treme Sports*.

**Session 3:** Using the Small Books, have the students reread *X-Treme Sports*. Model answering the Wise Up! on page 3. In their maths groups, have the students answer the Wise Up! questions on pages 5, 7, 9, 10, 12, 13, 14, 15, 17, 18, 21, 22, and 23. Help individual groups as necessary.

**Session 4:** Have the students complete the challenges on pages 5 and 11.

### Inquiry Learning Extension:

Have the students complete the challenge on page 24 in small groups or individually.

### Literacy Achievement Objective:

Find ways to understand unfamiliar, especially content-specific, words and phrases.

### Specific Literacy Learning Outcome:

Understand content-related vocabulary by inferring meaning from the context, looking at diagrams, and using the glossary.

### Numeracy Achievement Objectives:

Use linear scales and whole numbers of metric units for length.

Understand different forms of measurement and how to compare measurements.

### Specific Numeracy Learning Outcomes:

Use addition, subtraction, division, and multiplication to solve problems.

Measure length, and measure length and duration of events.

### Additional Achievement Objective –

#### Science: Physical World

Identify the effect of forces on the motion of objects. (Level 3)

### Specific Science Learning Outcome:

Gain understanding of the effect of forces on the motion of objects by solving topic-related maths problems.

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