Measurement Bk 1 Levels 2-3

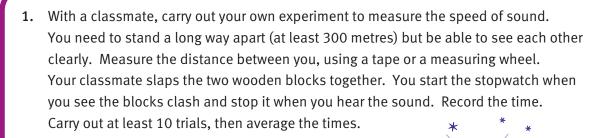
Light and Sound

You need: a stopwatch, a 100 metre tape or measuring wheel, 2 blocks of wood, a classmate

BOOM !

Light is so fast that until the seventeenth century, scientists believed that it was infinitely fast. That is, it arrived at the moment it left! Scientists knew that sound was not as fast because sometimes they could see an event before they heard it.

ACTIVITY



- 2. Use your measurements to estimate the speed of sound in metres per second.
- 3. How could you improve your experiment to get a more accurate result?
- 4. Use an encyclopaedia or the Internet to find out how scientists first measured the speed of light.