

# Mixing concrete — tutor notes

In this section, students:

- Measure correct amounts of water, cement, sand and rock
- Mix concrete by hand
- Mix concrete in a mixer

**Work with students through each part of this section.**

## **In addition — talk about:**

Getting the mix correct:

- Use a bucket or a box to measure the cement, sand, rock and water. Spades and shovels are not accurate.
- Use **JUST** enough water. Too little and the mix is difficult to work with. Too much and it is sloppy and will be weak.
- Mix and mix and mix — for at least 2 minutes.

Hand mixing is **very** hard work. Use only for small jobs.

## **Show**

- How to measure and mix correctly.
- How to start, use and look after the concrete mixer you have available.

## **Help**

And give guidance as students mix the concrete for their project.