

Flow Rate Event

You will need:

Worksheet and a pen for noting measurements

A measuring stick, ruler or tape measure

Sticks, string or tape (plus stakes or weights etc. to fix in place)

A stopwatch

An object that will float (e.g. an orange, half-filled water bottle etc.)

Using sticks, tape or string, mark out a start position across the width of the stream.

Further downstream, mark out an end position in the same way.

Now, measure the course length between the start and end positions.

Measure the width of the stream at the start position and, using a stick, measure the depth of water at 3 intervals of equal distance across its width. Repeat these measurements at the end position.

Finally, using a stopwatch, measure the time it takes for an object to float downstream from the start to the end. Repeat this step 3 times.