



The Rotary Eco bottle greenhouse is a Rotary Business Partnership Project. Rotary identifies business partners to help fund and erect them and schools who will benefit.

School children
collect bottles and
learn about
recycling



Prepare the bottles by removing the labels and cut off the bottom 2 inches





The bottles
should be
washed

The bottles are threaded onto the canes all in one direction apart from the end one



The wooden frame is flat packed
and should be assembled
according to the Rotary video



The canes are fixed to the frames with staples. Roof first.



The roof should be lifted onto the frame before fixing bottles to sides



The gable ends need to be individually cut and fixed



Sides and door are fitted with the bottles



The finished product



Ready to use



The technical details

The frame is made with Fsc wood, which is a sustainable source.

The Dimensions are

2.2m long x 2m wide and 2m in height.

It takes about 24 man hours to construct (4 people for 6 hours).

1,300 two litre plastic bottles are required

The full cost for one complete green house is
£222.00 inc vat.

If the vat can be claimed back it works out at
£185.00

The green houses are not water tight and
allow for through air flow. These are design
features that make them ideal for schools.