

School project for the day - build a toilet in the community



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In this particular project the pit has already been lined with bricks and the concrete slab made, cured and fitted by the builder.



Also the treated gum pole posts for the door have been mounted. The door is already attached to one of these posts.

In this case the builder has already done this work. But the pupils can also be involved in all these stages of construction



The school group are assembled and watch the builder as he constructs the first two courses (layers) of bricks.



The methods of mixing the mortar to bond the bricks is also shown. If Portland cement is used a mix of 20 parts pit sand and 1 part cement is used. If traditional mortar is used the mix is two part sandy soil and one part anthill soil



This photo shows the arrangement of bricks. The two treated posts act as guides for placing the brickwork. The bricks are laid around the rim of the concrete slab and each layer (course) of bricks starts and finishes at the post. This method makes laying bricks much easier than if there is a free standing wall as the spiral type of superstructure



The method of laying the bricks with the mortar is shown in detail by the builder to the pupils.



Also the method of bonding the brickwork with joints between bricks built just as the photo shows.

The joints are offset to provide the strength for the structure.

The first two layers of bricks are laid by the builder, then the pupils take over.



The pupils then take over, watched by the teacher and the builder.

Each pupil takes turns to do some building. There are a total of 22 courses of brickwork in this structure



Mortar is laid down first on the brick.

Then some mortar is added on to the end of the brick which is being placed.



Then the brick is put in place.

“Half bricks” are also used. Every other layer of bricks starts with a half brick on one side.

The brick structure slowly rises up.



More mortar is made as the construction continues

The door posts help a lot as guides. The bricks do not need to be perfectly constructed for the structure to gain strength.



*Each pupil
takes a turn*





*Higher up
something is
required to
stand on.*

The

*"homesteaders"
come to watch.*

*They are very
impressed to see
what the pupils
can do.*



*The brick work is complete
- a job well done*

*The roof must still be mounted. Pupils are also
taught how to build roofs and other things*

