

[1] The context that Mr R gave us is 'the household'. At school, we brainstormed about what this context meant to us. We came up with things like what our homes were like inside, what we did in them, who made decisions about how our houses should be organised/decorated etc. Mum is the boss in our house, so I talked to her about whether I had got it right for our home. ...

[2] My issue At home there is no place for the DVD player and Wii. A new TV has been purchased without an entertainment cabinet as our budget would not stretch that far. The DVD player, Wii and controllers are sitting on the floor. The TV is too big to sit on a cabinet. This is a worry for the family as they are concerned they will trip over and damage them, or the new TV. Mum thinks this is currently the biggest issue in our home.

[3] We need some kind of cabinet/unit for our DVD, Wii, controllers, DVD's etc. Our room is a funny shape, so we can't just go and buy a custom made one...

[4] My key stakeholder is Mum. Throughout this project, she has given me her opinions, and I have used this to make decisions. Other stakeholders are the other members of my family.

...Mum wants the unit to hold everything that the old one did, plus have room for other things in the future...

...Mum doesn't want it to stick out, she wants it in a particular place, and she wants it to blend in with the room...

...Mum doesn't want it so things can be placed on the DVD player, each thing should have its own space...

—all the cords etc should be out of site...

...DVD's should be easy to find,...

...prefer drawers and not shelves...

Final Brief

[5] Conceptual Statement

I will develop a purpose built home entertainment cabinet that will safely store our family DVD, Wii, TV, and controllers. This will keep things out of harms way and tidy.

[6] Specifications.

Budget is \$85 (our materials fee for technology)

The functioning cabinet must be safe to all users and close foot traffic.

The DVD player will have a separate enclosed space as the stakeholder does not want it possible to place things on top of it.

There must be a specific area for the Wii and controllers, its games and remote controls.

There must be a separate vertical storage area for up to 24 DVDs, which allows them to be located and sorted quickly.

There must be separate storage for a box of loose DVD's that measures 500X130X140

All wires must enter and exit from the rear of the cabinet where they are less visible. These will all enter/exit through 1x80mm diameter hole

Storage will be through drawers rather than shelves where possible.

All edges will be arised to 2mm.

Must utilize biscuit jointing in construction (specified by teacher)

Will be laminated using PVA glue (specified by teacher)

Hettich international draw runners to be used

Must fit DVD player of size 45mmx430mmx245mm

Must fit Wii console size 260mmx120mmx245mm

Drawers required for all remotes and extras.

Predominant material will be Macrocarpa 20mm thick

[7] Considering the social and physical environment where the unit will be developed and situated

- a dark brown finish would fit in with the existing furniture et

DVD player

Sizes: 45x430x245 (H-W-D)

All the cables are connected to the back of the DVD player 300mm from the right hand side (from back view), therefore there must not be a hard back in the area that DVD player is going to be placed in so there is cable clearance and it can be connected to the TV.

Wii

Size: 260x120x245 (H-W-D)

The Wii has an opening on the top where additional controls can be connected (see site investigation photos above). There is difference in height for when it is closed and when it is open. When the additional control is connected, the minimum height needs to be further raised for cable clearance. The size above is considering these features and the cable clearance.

DVDs/Wii games

Number of hard covers: 24

I found that the DVD's and the Wii games are the same size. As I will most likely be using plastic DVD inserts as the DVD storage, I have just counted the number of DVD's and Wii games that is required to fit in the product at this stage. I will confirm my decision of the DVD storage option during my Materials research where I will look at different options and materials that I could use.

DVD's

Size: 130x140x500 (H-W-D)

At the site, there are more DVD's of recorded movies and TV programs which are not in hard cover cases. The above size is not the individual sizes of DVD's but the minimum area needed that will fit all the DVD's. The cases are 130mm x 140mm, but these measurements can be put as **height or width** to suit the design of the product. The existing box for storage is 300mm long and all the DVD's do not fit. At least 400mm is needed to stall all of them. There must also be different intervals/sectioning to make looking through DVD's easier (need and desires of stakeholder), resulting in a depth of 500mm.

Remotes+Extras

Size: 150x600x400 (H-W-D)

This storage area was measured by laying out all the remotes and controls out and measuring the expected area that is needed to fit all of it in. Any other remotes or extra objects that may arise have been taken into consideration. I have also made the sizes slightly larger than required so it will be ergonomically user friendly as it will allow more space for free movements.

(see pictures on next page)

- Mr R said we had to try to make our outcomes not too large - a new workshop is currently being built, and we don't have a lot of space.

- Mr R also wants us to do some laminating and to use biscuit

[8] Attributes Mum is pretty fussy about what her home looks like, so she said the unit must fit the general theme of the lounge where this unit will be located. The coffee table is a darker timber...she also likes things to be tidy and non-cluttered looking...she definitely wants all that gear off the floor!

Situation Photos

[9]

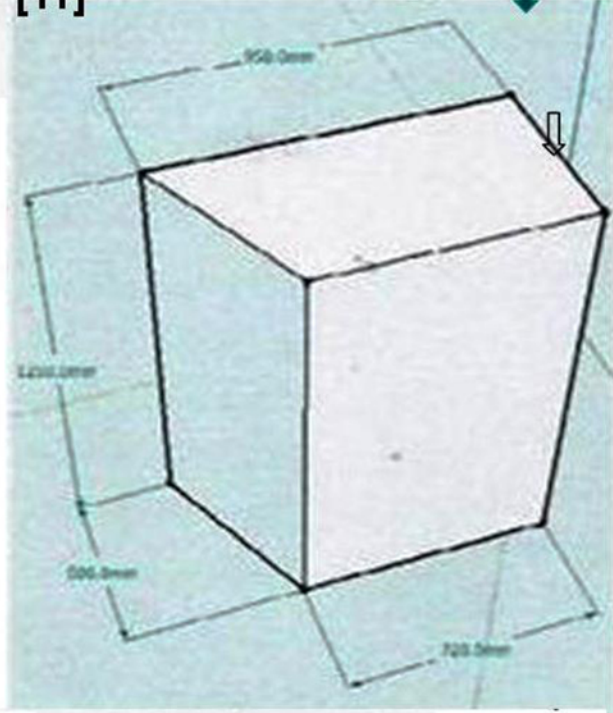
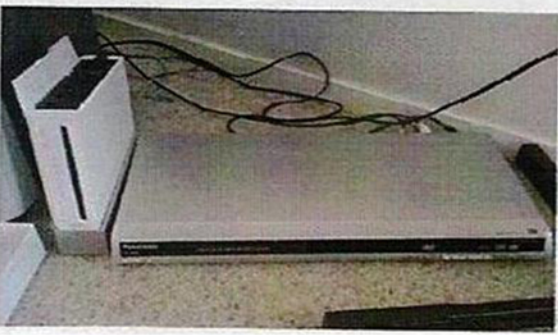
The new TV has no TV cabinet.



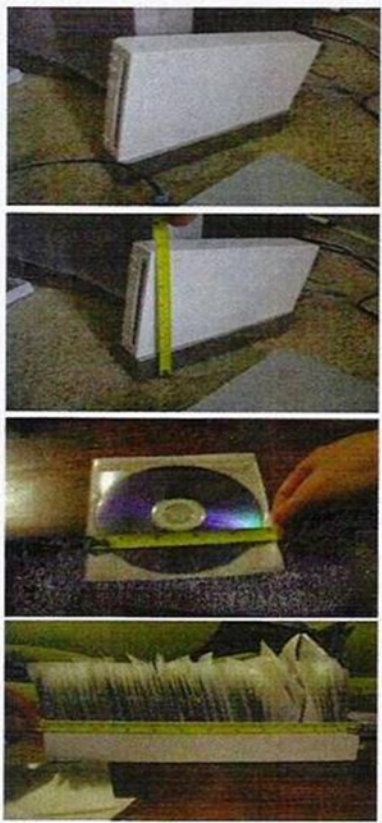
The DVD player and the Wii left on the ground as the result of the issue.

[11]

The unit must fit in this space



[10]



[12]

