

I have developed the last swing into this swing, by using the triangle shapes create a cage for the seat, while I have changed the seat back to a curved shape as it looks more like mountains, valleys and hills when they are more natural shaped. This means that I am using the inspiration of Gray Organschi architects in two ways, the straight lines they like to use and the inspiration from the natural environment to create their designs.

There is a chain on this swing connecting it to tree, it is made of metal so it goes with the cage of the swing. The chain loops over the tree branch and back on itself, where a strong carabena can hold the chain together.

These two pictures of the swing show the different sizes there could be, a single size and a double size. The frame can be made from steel so it is sturdy and durable while the seat can be plastic so it is light and waterproof.

Fabric padding can be put on the swing to make it more comfortable. It can be tied down to the frame with ribbon and can be taken inside so it doesn't get wet.

DEVELOPMENT 2

The rope for the swing is attached in four places so the swing is sturdy and does not tip. All the ropes connect together above your head so they do not get in your way, while the front two ropes are at a good place so you can hold onto them if necessary.

This swing has been developed from the last one, by taking the cage out, make the rope move like the cage and simplify the seat into only one major curve with an extra piece (the dip in the seat). The seat is still inspired by Gray Organschi architects as it is how a hill and the coast with a stream running through the middle. Which is the natural environment that they like to be inspired for, for their designs.

The dip in the swing can either be used for your feet or for things like books or drinks which are wanted or used when on the swing.

The drawing on the right is how the metal would look before it was curved and folded, it shows that just a long sheet of metal can be folded in a different way to create an interesting shaped chair/swing.

This swing is made of metal with a rope attaching it to a tree. The metal shines in the sun and create an interesting and unusual look for under a tree.



This is a ergonomic of my swing. It shows how a person will sit on it. It also shows the approximate height as the yellow ruler shows 1 metre. So it is around 0.5 metres off the ground, which means you are able to swing easily without hitting your feet on the ground.

The picture below shows the dimensions of the swing its width is 60cm and its length is 80cm and its height is 60cm.

The pictures below show a diagonal view and a front view of the swing seat shape. The diagonal view shows how your legs sit on the swing, while the front view shows how wide the seat could be, as it needs to fit an average size adult and two pieces of rope not right on the edge of the swing.

6

These are the three mockups I have made, they are all swings, as I like this idea of using the surrounding natural environment. They also all use wood, which ties the swing in with the tree.

They all have different ways of hanging them from the tree, so I don't know which one is the best, from these mock-ups, I like the shape of the mock-up above the best.

MOCKUP PHOTOS

wooden swing mock-up, overlaid to create a crossing pattern of the sticks. This could be used as the base of a seat or as the side of a swing or chair. This would be used straight lines which Gray Organschi architects like to use in their designs.

The tracing is from the simple 'one plank swing', which is easy to make. I like the idea of using even, given it lets to create this than the stool which does not use many materials so is sustainable and economic.

MOCK-UP DEVELOPMENT

7

This is a tracing of all the mock-ups together and turned 90 degrees with the stand of the chair the tree shape which holds up all the back-ups. The chair only has four support points to your body. This gives an interesting look and feel to the chair and makes it economic.

This tracing is from a birds eye view of the 'one plank swing'. It is a side view of a chair that you can turn to make different places to sit. Depending on how you place the seat, depends on how many people you can sit on it.

The tracing is at the back of the curved swing. The rope is held up by the back piece, the other 2 holding the base, which has wood of different weights coming out it to balance out the weight of a person when they sit on it. The back and the base of this swing are not connected.

MOCK-UP DEVELOPMENT