

My Design Journal

The Smart Lake House By Chanwoong



This is a Smart Lake House. I chose this house because I want to live in this house. The purpose of this house is to live. I made a first plan. I learned that even the plan is great, you don't really have to follow because if want to add something in a structure, you can add it.

step 2- plan updated



This is my second plan. I added a tree house and one more room on the regular one. The skills that I used to draw on the paper is thinking skills because we have to think while we draw. I learned that design is important to structures. I felt a little bored while I drew.

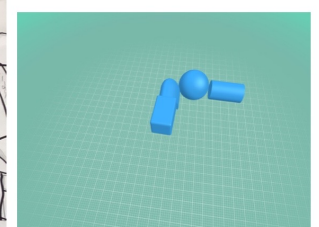
Step 3- Identifying and sharing my 2 challenges.



This is me sharing my challenges that I found in my plan. The challenges that I find is the lake and a pool with cover. I learned that if there are no challenges, a structure will break.

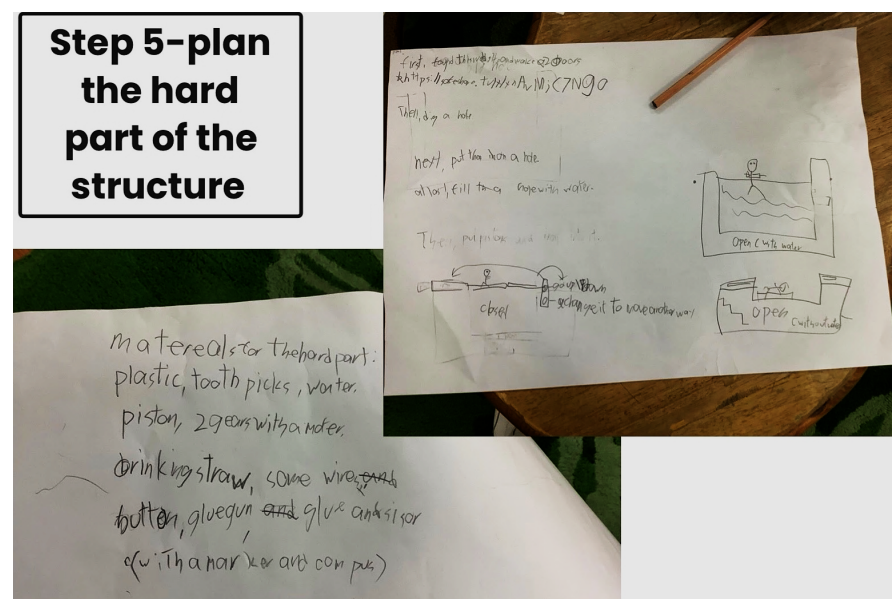
The skills that I used are communication skills because I had to communicate with others. I also had to use social skills because I had to talk with kind words.

step 4-build a hard 2 part on app



I used the app called "Makers Empire" to make a 3D image to make a model of the hard part of the structure. It was fun while I made the 3D model. The skills that I used is self-management skills because I had to do it by myself.

The challenges were that it's hard to understand how to do without learning about it. The solution was I used the learning program to learn how to make a model of my pool with the cover.



I planned and wrote down "how to build the hard part of the structure". I used research skills because I had to research on a video. The materials that I used is plastic, cardboard, motor, etc. I used plastic to make it waterproof, I used cardboard to make a skeleton and I used motor to make it open and close. I felt good while I wrote it.



This is me with Carlota testing the lights to see if it does work. I used buttons, some clips and a battery. I also used a lightbulb to show that it does work. I learned that I had to "play" with the materials! I was surprised when it worked.



I was making a door for a cover of the pool. The challenge was the cardboard was too hard to cut with normal scissor. The solutions was I went to the design room and Ms. Jo gave me a cardboard scissor.



This is my completed structure.