I chose a skateboard because when I was younger skateboarding was one of my favorite activities. There was a skateboard park a few blocks from where I lived and my friends and I would meet up all the time and go there to have fun. Eventually, when I was 15, the skate park by me was torn down and replaced with a Walmart. After that I gradually stopped skateboarding as much as I used to and eventually didn’t do it at all anymore. I chose the skateboard because it reminds me of when I was younger and all the good times I had with my friends as a child.

This is the picture I used to help guide my personal project while making the skateboard

![Skateboard](http://www.freeimageslive.com/galleries/sports/sportsgames/pics/skateboard_on_white.jpg)

To complete this project I used a lot of mates, extrudes, extruded cuts and a couple revolves. The most difficult part of the project was making the board. To make the board I had to extrude a curved plane which I found extremely difficult. After making the plane I had to make a board shaped object and have it follow the curves of the extruded plane I made. Doing this gave me the board shape I wanted and all I had to do was thicken it to make it look like the top part of a skateboard. After making the top portion I made the two different “bolts” I would use by extruding a circle and revolving an arc at the top. After making the bolts I made the wheels and axle connected to it. The wheels where made with a simple revolve and the axle was made with two extrudes. After this I lined up all the holes in the correct positions and mated the wheels to the axle and the axle to the board to create my skateboard.

The solid works portion of this class definitely taught me a new skill, and that is using the program “Solid Works”. Also, it taught me to pay attention to detail better. In solid works if you have a drawing that is off by even the slightest centimeter it will come to hurt you later on in an assembly. Paying attention to detail is extremely important in engineering and solid works proves that with its simple tasks. Finally, solid works taught me to be more patient. Some projects can present tough
problems that can still be solved as long as I am patient and willing to think and work through the problem.
Solid Works: Lamp Project

Solid Works lamp and table assembly.