

LEGO MAN

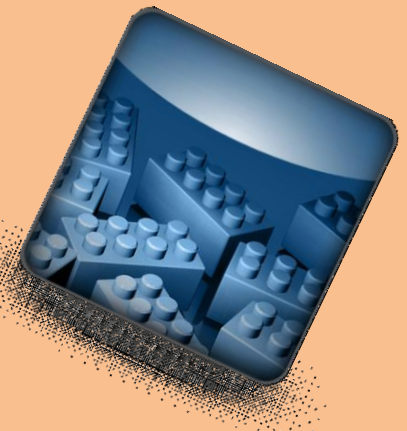
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SolidWorks Project

EDSGN100

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Section 19



Background Information

For my SolidWorks project, I chose to create a Lego Man. As a little boy, I always played with Legos. My friends and I would build figures for hours, and I would consider Legos to be one of my favorite pastimes. I decided to incorporate some of my fondest childhood memories with what I am learning now in EDSGN100 and build a model of a Lego Man using the SolidWorks program.

When building the Lego man, I ran into a few rough patches. One of the hardest tasks was building the arms. There were so many intricate parts to each arm, and sometimes it got very stressful. I was able to pull through and finish the arms, but with some help from Todd. ☺

I learned from this project that you can basically build anything you want, as long as you put your mind to it. I thought that building the Lego Man was going to be extremely difficult, and it was, but I was able to get through it. I do think that the project was fun, but it became hectic at times. I wish that I had created a better plan for myself in the beginning of the project; when I was finishing my Lego Man, I had so many tasks to complete, and I felt overwhelmed.

I think that SolidWorks is a great program, and I am happy that I was able to work with it this semester. The tutorials are great, and they are a great help to learning the basics of the program.

Picture Reference

At first, I was going to build a Lego Man with a specific job, such as a fire fighter or a construction worker. About halfway through, when I realized how difficult building the Lego Man was going to be, I decided to just build a typical Lego Man. I changed the colors around a little bit, but most of the features are the same. This is the model I used:



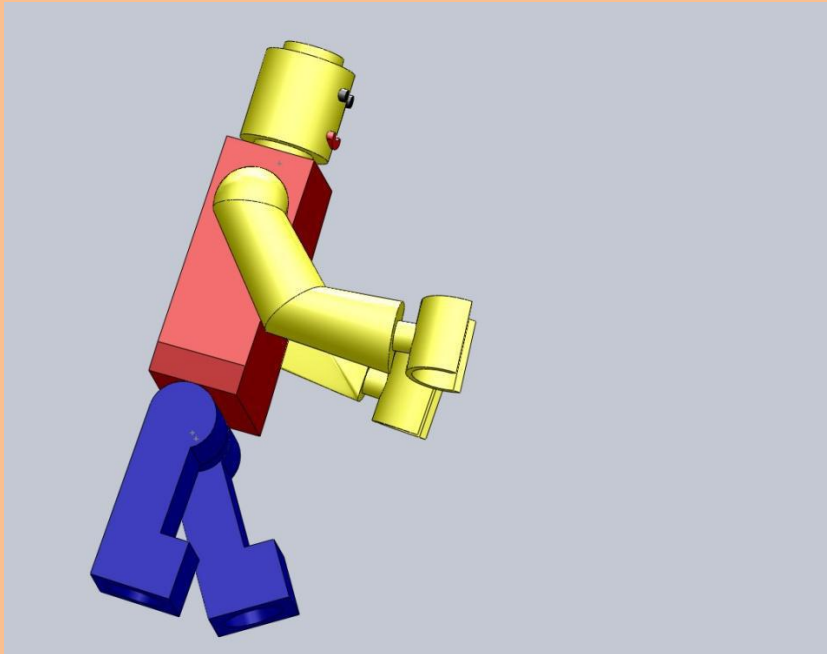
<http://www.guerrillapromos.com/2009/01/unsolved-mystery-giant-lego-man.html>

Here are a couple of pictures of my Lego Man:

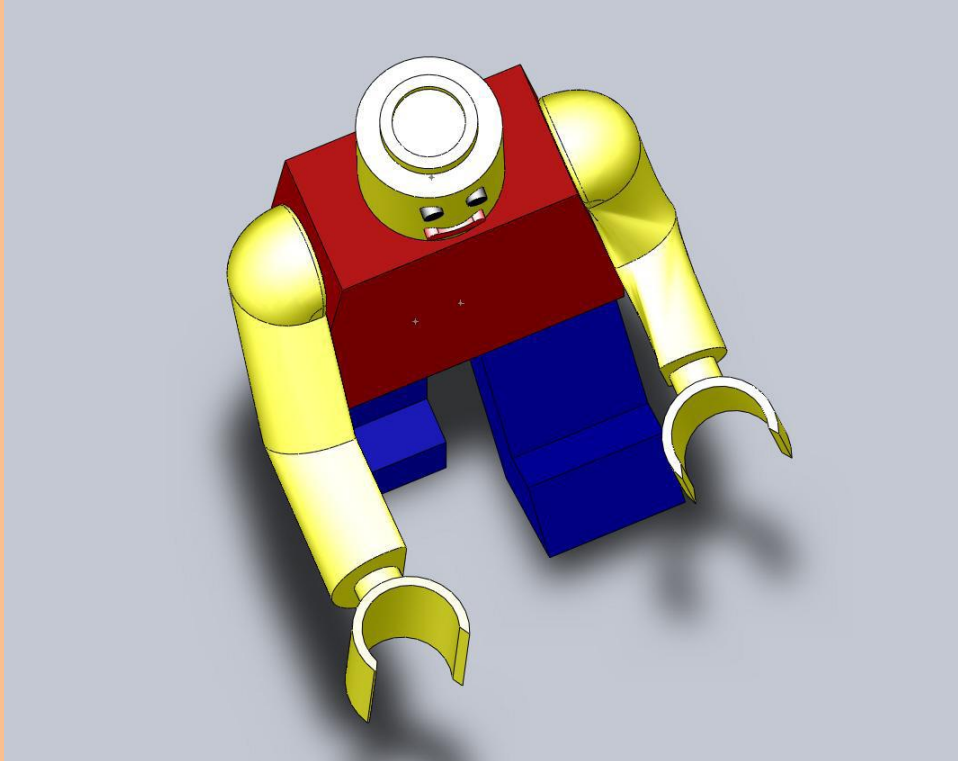
This is a front view of my Lego Man. You can see that his features are fairly similar to the features of the Lego Man that I used as a model. You can also tell that his legs and arms rotate (to see an animation of this, go to my homepage (<http://www.personal.psu.edu/bmw5356>) and you will find it!)



This is a side view of my Lego Man. You can tell that the features on his face are actually extruded out. Also, this is another way to view that his arms and legs can rotate.



This is a top view of my Lego Man. Even his head can have other Lego pieces click into it!



This is a back view of my Lego Man. You can see that he has a piece in between his legs which allows them to rotate.



This is a bottom view of my Lego Man. His feet have extruded cuts so that you can click the Lego Man on to other pieces.

