

Grade 7 Day - Keytag

- [BDSS Tech Promo Video](#)

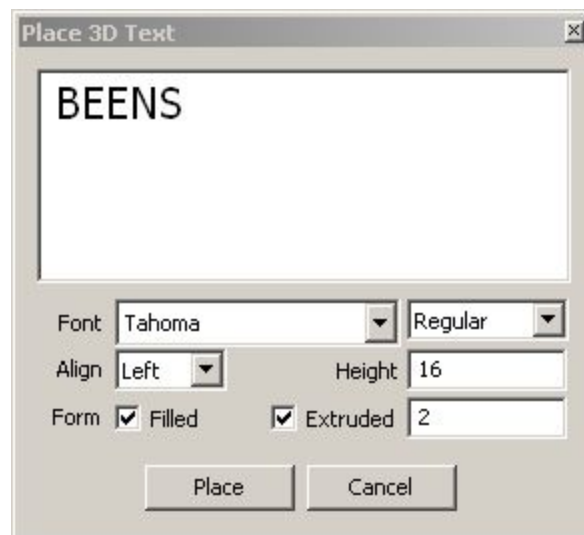
What does the BDSS Tech Department offer?

Please visit <http://goo.gl/BWC14> to see what is offered in the BDSS Tech Department.

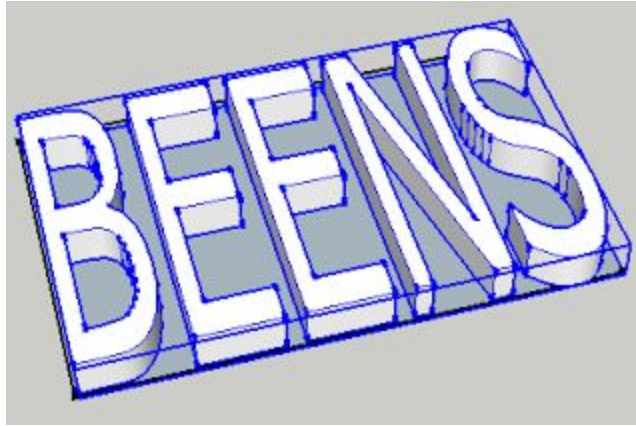
Part 1 - Personalized 3D-Printed Keytags

We are going to make personalized keytags using SketchUp, which can be downloaded free of charge from <http://www.sketchup.com/download>.

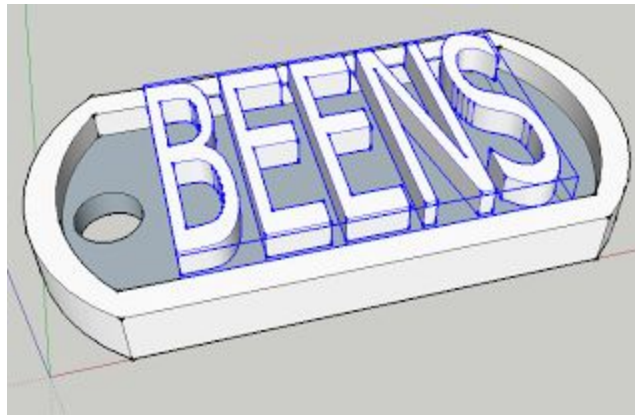
1. Download the template from [here](#) and remember where you saved it!
2. Double-click on the downloaded file to open it.
3. Choose the top top template ("Simple Template - Feet and Inches") when SketchUp starts.
4. First, we need to fix a problem in SketchUp with these computers:
 - Windows > Preferences > Open GL > Turn off Use Hardware Acceleration
5. Insert your name, with a height of 16 mm and an extrusion height of 2 mm. When inserting, try to insert it close to one of the corners of the blank rectangle (not directly into the keytag itself).
 - Tools > 3D Text
 - Height: 16mm
 - Extrusion: 2mm



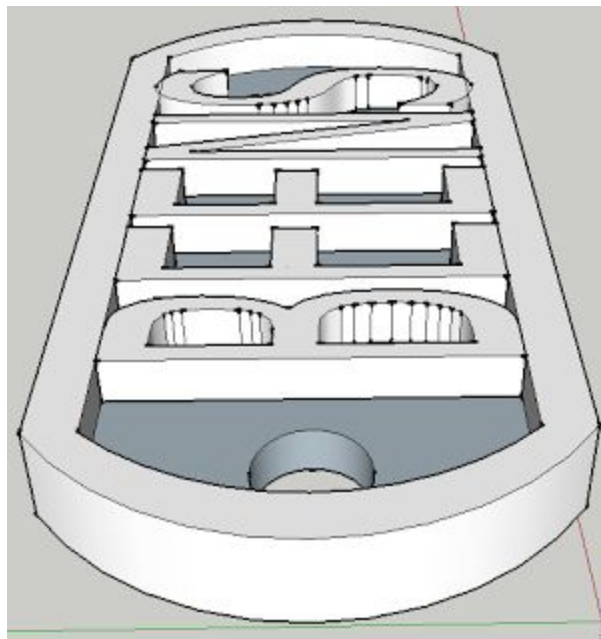
6. Size your text (using the Scale tool "S") your name to the approximate size of the rectangle.



7. Make a copy (Ctrl-C) of your name and paste it (Ctrl-V) near the keytag. The Orbit tool "O" will be your best friend when doing this!
 - (another hint: Shift-O lets you pan the screen)



8. Move "M" the text down to the rectangle in the keytag.

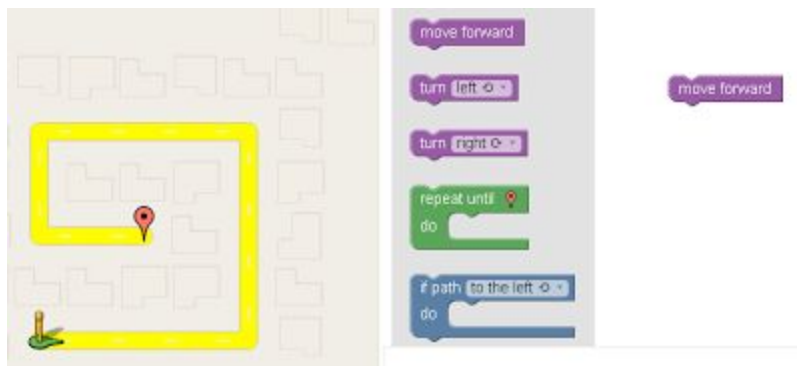


9. When you are finished, save your keytag in your M drive with a filename similar to:
 - Full Name - Name of School - Keytag Text (if different than name).skp
10. Example:
 - Britney Smith - Senator Gibson - Leafs.skp
11. To submit your keytag for printing, upload it using the following service:
<http://www.dropitto.me/pbeens>
 - (Mr. Beens will tell you the password.)
 - Confirm your keytag has been uploaded before closing!
12. When you are finished, try programming this [maze](#)!

Part 2 - Blockly

Note: The Blockly website will only work with a current web browser and will not work with the default web browser at BDSS. [Google Chrome](#) is recommended.

1. Blockly Puzzle Demo: <http://blockly-demo.appspot.com/static/apps/puzzle/index.html>
2. Blockly Maze Demo: <http://blockly-demo.appspot.com/static/apps/maze/index.html>
 - (teacher demo up to level 3, then you'll the rest later after the keytag is finished)



Part 3 - If you get time!

Try out this tutorial found at <http://goo.gl/1hWQ6> to make a house similar to this:

