

Worksheet 1.2: Drawing Our Galaxy

1. Create an illustration of the Milky Way galaxy as viewed from outside the galaxy, viewed from the side and from above. You can draw by hand, or use a digital drawing tool such as Google Draw, Gimp or Illustrator. Post your illustration as a blog post, along with descriptive text of the figure. Your audience is a high school senior interested in astronomy, so don't let them down with an obfuscated or incorrect description! Be sure to include the components in the list below. You may use any resource you find on the internet, but be sure that you have two sources for each bit of information you find so as to not post embarrassingly erroneous information. Wikipedia provides pretty solid information, but you should use library books, lecture notes, online books and/or Youtube videos as supporting information.
 - (a) Location of the Sun
 - (b) Thin/thick disks, bulge, halo
 - (c) Globular clusters
 - (d) The Small Magellanic Cloud (SMC) and the Large Magellanic Cloud (LMC)
 - (e) Sgr A* (Black hole)
 - (f) Location of Orion star forming region, and the nearest and furthest (known) open clusters to the Sun
 - (g) Scale length and scale height (in order to draw galaxy to scale)