

# Karyotyping On-line

You have decided that you might like to go into karyotyping as a profession. Being the extraordinary student that you are, you decide to look into the field a little more. While doing your research, you stumble onto a training course for this field. You decide to try it out, what do you have to lose? ☺ In fact, you did so well, that the company hires you to complete three karyotypes that they are just to understaffed to complete on their own. Words can not express how excited you are! Never in your wildest dreams could you have imagined that this would happen! Just wait until you tell Miss Ragan! ☺ She will be thrilled!

1. To begin your work you are instructed to go to the following website for your job briefing:

[http://www.biology.arizona.edu/human\\_bio/activities/karyotyping/karyotyping.html](http://www.biology.arizona.edu/human_bio/activities/karyotyping/karyotyping.html)

2. Once you are there, of course you read the instructions—don't want to get fired on your first day right? You want to make sure you don't get anything wrong.
3. When you read the instructions, you notice that there are a few items that are required to be submitted to your boss. You remember though that your employer told you since you were part-time you would not be doing research, so you only have to **complete the karyotypes and interpret it—no internet research at this time.**
4. Once you have your job down, click on **'Patient Histories'**. This will bring up an abbreviated case file of each of the three cases you have been assigned to.
5. After you have read them, click on **'Patient A'** at the bottom of the page.
6. Now complete the karyotype for Patient A by following the on-screen instructions.
7. Copy and paste your karyotype results page into a word document. Answer the two questions in **Bold Underlined** lettering directly following the question so your boss does not have to look for your responses.
8. Then, show which chromosome pair has a problem by placing a box around the chromosome pair. (Using the drawing toolbar, click on the "Rectangle" icon and then draw a box around the necessary information. Then change fill color to none—this will let you see the chromosomes again. Change the line color to dark blue. Click on "line style" and change it to 6 pt. )
9. Save your work in your network Folder. Minimize your word document and go back to the webpage.
10. Click on "Patient B" and go through the same set of directions and steps as you did above for "Patient A". When complete go back and do "Patient C" as well.
11. When completely finished, print out your word document of results. (Remember to type your name in.)