

Chemistry Sig Fig / Accuracy / Precision Project

We have covered significant figures, accuracy, and precision in our notes. Now is your chance to practice them! You have several options to do so – pick the one you like the best. Projects will be due by the end of class on Wednesday – BUT you will only have class time on Tuesday to work. They are valued as 50 points in the test category (same as a quiz). Be creative and have fun! You may work with partners – but remember – everybody gets the same grade.... Choose partners wisely! No more than 3 people may work in one group. If someone doesn't show up on the day the project is due, you still have to turn it in by the due date. I highly recommend you communicate via text message and make sure everybody is doing their part!

Option 1: Create a video explaining the rules for significant figures, accuracy, and precision. Use props in the background (such as the whiteboard or a poster, or a friend...) Give examples as you go... Don't do it "newscaster" style (aka BORING!) – make it interesting and show off your acting and comedy skills. I recommend you use day 1 to write out the script and come up with a materials list with your partner and use day 2 to film. You can either email the video to me by the end of class on Wednesday, or you can email the YouTube link to me by the end of class Wednesday. Use your time wisely. Video should be 3-5 minutes in length.

Option 2: Create a poster or other visual artifact explaining the rules for significant figures, precision, and accuracy. I have a roll of white paper, crayons, markers, colored pencils, and some other small items... You're welcome to bring what else you need. Make sure you give examples of each rule/definition as you're drawing them. Make it colorful and attractive and something I can hang in the room as educational artwork! Poster should cover the length of your table. No "do-overs" – please use the paper I give you and don't waste!

Option 3: Write a story/poem/rap/song/etc that explains the rules for significant figures, accuracy, and precision. Make sure to include examples as you go. I have a roll of white paper, crayons, markers, colored pencils, and some other small items... You're welcome to bring what else you need. Make sure you give examples of each rule/definition as you're drawing them. Make it colorful and attractive and something I can hang in the room as educational artwork! Oral performance/reading of your story/poem/rap/song should take 3-5 minutes.

Keep in mind that you have all of today's class period to prepare and get started and they will be due by the end of class tomorrow (Wednesday). Use your time wisely and use it all.

Rubric:

Discusses sig figs, accuracy, precision	20
Gives appropriate examples for each	10
Colorful, interesting, educational	5
Students used class time wisely	10
Appropriate length as requested	5

Total: 50 (test category)